



# BEAUVERIA

**plus *Microhilum*, *Tritirachium*, and *Sporothrix***

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[INCLUDES 2262 ISOLATES]

USDA-ARS Biological Integrated Pest Management Research  
Robert W. Holley Center for Agriculture and Health  
538 Tower Road  
Ithaca, New York 14853-2901

**28 July 2011**

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# **ARSEF Collection Staff**

## **Richard A. Humber, Curator**

phone: [+1] 607-255-1276  
fax: [+1] 607-255-1132  
email: richard.humber@ars.usda.gov

## **Karen S. Hansen**

phone: [+1] 607-255-1274  
fax: [+1] 607-255-1132  
email: arsef@cornell.edu

## **Micheal M. Wheeler**

phone: [+1] 607-255-1274  
fax: [+1] 607-255-1132  
email: mmw5@cornell.edu

USDA-ARS Biological IPM Research Unit  
Robert W. Holley Center for Agriculture & Health  
538 Tower Road  
Ithaca, New York 14853-2901, USA

## **IMPORTANT NOTE**

# **Recent phylogenetically based reclassifications of fungal pathogens of invertebrates**

**Richard A. Humber**

Insect Mycologist and Curator, ARSEF

**UPDATED July 2011**

Some seemingly dramatic and comparatively recent changes in the classification of a number of fungi may continue to cause confusion or a degree of discomfort to many of the clients of the cultures and informational resources provided by the ARSEF culture collection. This short treatment is an attempt to summarize some of these changes, the reasons for them, and to provide the essential references to the literature in which the changes are proposed.

As the Curator of the ARSEF collection I wish to assure you that these changes are appropriate, progressive, and necessary to modernize and to stabilize the systematics of the fungal pathogens affecting insects and other invertebrates, and I urge you to adopt them into your own thinking, teaching, and publications.

The identifications in the ARSEF catalogs (<http://www.ars.usda.gov/Main/docs.htm?docid=12125>) incorporate these new classifications as soon as we can confirm the correct new identifications of fungi and, where genera or species are being split on molecular grounds, to determine and to apply the correct new identifications.

## ***General Reclassification of Fungi***

The results of a global cooperative effort involving dozens of mycologists (including the curator of this collection) to reclassify the fungi according to phylogenetically sound principles based on the DNA sequence data for multiple genes has recently resulted in the publication of two monumentally important publications that completely rework mycological systematics. The earlier publication was a phylogenetic overview of virtually all fungi (James *et al.* 2006). The second publication (Hibbett *et al.* 2007) provided the necessary taxonomic readjustments that were indicated by the phylogenetic studies.

## ***Microsporidia***

Many mycologists and invertebrate pathologists are now aware that the Microsporidia have been proven beyond any reasonable doubt to be comparatively recent and highly derived endobiotic fungi. They are neither extremely ancient eukaryotes nor affiliated with protozoans as most textbooks indicate. None of this realignment to the fungi is being disputed by either microsporidiologists or phylogenetic mycologists. The rationale for this realignment is presented succinctly in James *et al.* (2006). These fascinating organisms connect to the fungal tree of life at the base of the nonflagellate fungi (among or near the fungi traditionally treated as the Zygomycota) but their exact affinities and nearest remain uncertain.

## ***Zygomycota, Zygomycotina, Zygomycetes and Entomophthorales***

The phylogenetic reclassification of fungi (Hibbett *et al.*, 2007) significantly modified the traditional view of the most ancestral nonflagellate fungi. The phylum Zygomycota, subphylum Zygomycotina, and class Zygomycetes disappeared in their widely understood sense to be replaced by the phylum Glomeromycota (for arbuscular mycorrhizal fungi) and a series of new subphyla not yet assigned to any phylum (because of the obviously polyphyletic nature of the zygomycetes as traditionally treated). The Entomophthorales is reclassified in the subphylum Entomophthoromycotina Humber (in Hibbett *et al.* 2007); the other new subphyla in this group are the Mucormycotina, Zoopagomycotina and Kicxellomycotina. Where there had been some question about whether *Basidiobolus* and its close relatives should be retained in the Entomophthorales or moved to a position closer to some of the blastocladialean watermolds, James *et al.* (2006) unequivocally retain *Basidiobolus* in an ancestral position in the Entomophthorales.

Despite the short-term frustration of needing to deal with fungi belonging to these groups that the familiar concepts of Zygomycota, Zygomycotina and Zygomycetes are now abandoned. Until such a time as the molecular studies clarify the overall relationships among these fungi and establish a new set of phyla, my practical advice to the clientele of the ARSEF culture collection is to continue to use these discontinued phylum, subphylum and class names since (1) their meanings remain unambiguous in terms of the fungi included, and (2) journals and other outlets may remain unwilling or unable for some time still to handle the concepts of new subphyla with unassigned status ('*incertae sedis*').

## **Entomopathogenic Ascomycetes and Associated Anamorphic (Conidial) States**

Among all of the major taxonomic changes within the fungi that affect entomopathogenic fungi, the most dramatic and far-reaching involve the ascomycetes and their conidial (anamorphic) states classified among the pyrenomycetous fungi of the order Hypocreales. In one of the first major changes to be noted, those ascomycetous entomopathogens whose ascospores are produced in perithecia (nearly closed spherical to flask-like fruiting bodies) are now put in the class Sordariomycetes, a name based on a valid generic name, rather than in the historically familiar class Pyrenomycetes, a name based on the morphology of the fruiting body. The great majority of these fungi have long been recognized to belong in the family Clavicipitaceae (mostly in the genera *Cordyceps*, *Torrubiella* or *Hypocrella*). A major phylogenetic reclassification of the Clavicipitaceae (Sung *et al.* 2007; available free of charge at <http://www.studiesinmycology.org>) has split this family into three (Table 1), a long overdue major reworking of the taxonomy of *Cordyceps* and, subsequently, a reshuffling of anamorphic states among these families. This publication by Sung *et al.* (2007) is very long and complex since it includes a highly detailed phylogenetic analysis of these fungi as well as presenting the new taxonomy, descriptions of new families, genera, and species, and a very large number of new combinations (mostly segregating *Cordyceps* into their newly described segregate genera), and listing of the known or suspected anamorphic states associated with these taxa.

Note that Table 1 shows *Torrubiella* to be split between two families. This is an untenable position in a phylogenetically based classification that requires all taxa to represent monophyletic lineages. Future phylogenetic studies that will result in the reclassification of *Torrubiella* are obviously required. Also note that some anamorphic states with morphologies referable to *Hirsutella*, *Paecilomyces* and *Verticillium* (the latter two genera in their old senses from before recent phylogenetic reclassifications discussed below) may occur in more than one family; this underscores the need to regard anamorphic states as being named in form-genera defined only by their morphologies and similar modes of development rather than by phylogenetic relatedness.

**Table 1. Summary of some major teleomorphic (sexual) and anamorphic (conidial) genera of Hypocreales pathogenic to invertebrates (Sung *et al.* 2007).**

	FAMILY		
	Clavicipitaceae	Cordycipitaceae	Ophiocordycipitaceae
<b>Teleomorphs:</b>	<i>Hypocrella</i> , <i>Metacordyceps</i> , <i>Regiocrella</i> , <i>Torrubiella</i>	<i>Cordyceps</i> s.str., <i>Torrubiella</i>	<i>Ophiocordyceps</i> , <i>Elaphocordyceps</i>
<b>Anamorphs:</b>	<i>Aschersonia</i> , <i>Metarhizium</i> , <i>Nomuraea</i> , <i>Paecilomyces</i> -like <sup>1</sup> , <i>Pochonia</i> , <i>Rotiferophthora</i> , <i>Verticillium</i> -like <sup>2</sup>	<i>Beauveria</i> , <i>Engyodontium</i> , <i>Isaria</i> , <i>Lecanicillium</i> , <i>Mariannaea</i> -like, <i>Microhilum</i> , <i>Simplicillium</i>	<i>Haptocillium</i> , <i>Harposporium</i> , <i>Hirsutella</i> , <i>Hymenostilbe</i> , <i>Paraisaria</i> , <i>Purpureocillium</i> <i>Sorosporella</i> , <i>Syngliocladium</i> , <i>Tolyphocladium</i> , <i>Verticillium</i> -like <sup>2</sup>

<sup>1</sup> Species formerly in *Paecilomyces* sect. *Isarioidea*, now excluded from *Paecilomyces* in the strict sense but also from *Isaria* (which now includes most entomogenous species transferred from *Paecilomyces*).

<sup>2</sup> Species formerly in *Verticillium* sect. *Prostrata*, now excluded from *Verticillium* in the strict sense but not yet reclassified in the segregate genera recognized by Zare and Gams (see below).

**Table 2. Publications eliminating and reclassifying *Verticillium* section *Prostrata***

PART	AUTHORS	SUBJECT COVERED
1	Zare, Gams & Culham (2000)	ITS sequence analyses
2	Sung, Spatafora <i>et al.</i> (2001)	SSU, LSU rDNA sequence analyses
3	Gams, Zare (2001)	Generic reclassification
4	Zare, Gams (2001)	<i>Lecanicillium</i> and <i>Simplicillium</i> monograph
5	Zare, Gams, Evans (2001)	<i>Pochonia</i> , <i>Rotiferophthora</i> monograph
6	Zare, Gams (2001)	<i>Haptocillium</i> monograph

**Table 3. Current phylogenetically based classification within Hypocreales of some species formerly classified in *Paecilomyces* sect. *Isarioidea* (following Luangsa-ard *et al.* 2005; Sung *et al.* 2007; Luangsa-ard *et al.* 2011)**

FAMILY	GENUS	INCLUDED SPECIES
Clavicipitaceae	' <i>Paecilomyces</i> ' <sup>1</sup>	<i>carneus</i> , <i>marquandii</i>
Cordycipitaceae	<i>Isaria</i>	<i>amoenorosea</i> , <i>cateniannulata</i> , <i>catenobliqua</i> , <i>cicadae</i> , <i>coleopterora</i> , <i>farinosa</i> , <i>fumosorosea</i> , <i>ghanensis</i> , <i>tenuipes</i>
Ophiocordycipitaceae	<i>Purpureocillium</i>	<i>lilacinum</i> ( <i>syn.</i> : <i>Paec. lilacinus</i> )

<sup>1</sup> No generic re-assignments have been made for these hypocrealean anamorphs that continue (for lack of better alternatives) to be treated provisionally as *Paecilomyces* species. The generic affinities of other excluded '*Paecilomyces*' species noted by Luangsa-ard *et al.* (2005) remain uncertain.

**Phylogenetically based reclassification of *Verticillium* section *Prostrata*** – The extensive, phylogenetically based reclassifications of conidial fungi that common pathogens of insects or other invertebrates began with the reclassification of *Verticillium* species. The venerable classification of this genus (Gams 1971) recognized the sections *Verticillium* and *Prostrata*. All species in *Verticillium* sect. *Verticillium*, which included the phytopathogens with well differentiated, erect conidiophores, are anamorphs of perithecial ascomycetes in the order Phyllachorales. The species in *Vert.* sect. *Prostrata*, however, were anamorphs attributable to the order Hypocreales (Sordariomycetes). Because the current systematics practices recognize monophyletic taxa, it was necessary to remove the species from *Verticillium* section *Prostrata* to other genera. This reclassification was done in six publications (Table 2) reflecting primarily the doctoral research of Rasoul Zare under the guidance of Walter Gams. Most entomopathogens from this group are now placed in *Lecanicillium*, a genus whose type species, *L. lecanii*, was also recognized to be a species complex recognized to include at least three species (*L. lecanii*, *L. muscarium*, and *L. longisporum*) and thus replacing the morphologically highly variable *Verticillium lecanii*.

**Phylogenetically based reclassification of *Paecilomyces* section *Isarioidea*** – The long-used taxonomy of *Paecilomyces* by Samson (1974) divided this genus into two sections, and with all entomopathogens treated in *Paecilomyces* sect. *Isarioidea*. The type species, *P. variotii* Bainier, and all species in *Paecilomyces* sect. *Paecilomyces* are anamorphic (conidial) states of cleistothelial ascomycetes in the Eurotiomycetes. In an exact parallel with the situation for the two sections of *Verticillium*, all species in *Paec.* sect. *Isarioidea* are anamorphic states of pyrenomycete ascomycetes in the order Hypocreales, mostly in the family Clavicipitaceae although the reclassification of that family by Sung *et al.* (2007) now disperses these former *Paecilomyces* species among three families (Table 3). The taxonomic revision of *Paecilomyces* section *Prostrata* began with the lectotypification and determination of the status of *Isaria* (Hodge *et al.* 2005), a genus long ago relegated to synonymy with *Paecilomyces*, and the formal conservation of the generic name *Isaria* (Gams *et al.* 2005). The next step was a phylogenetic study that confirmed the polyphyletic nature of *Paecilomyces* in the broad sense (Luangsa-ard *et al.* 2004), followed then by a formal reclassification (with new combinations) of most species from *Paec.* sect. *Isarioidea* into *Isaria* while several other species from this section were excluded from both *Paecilomyces* and *Isaria* and still await transfers into appropriate anamorphic genera (Table 3). Most recently, *Paec. lilacinus* was transferred to a new (as yet monotypic) genus in Ophiocordycipitaceae as *Purpureocillium lilacinum* (Luangsa-ard *et al.* 2011).

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# **ARS COLLECTION OF ENTOMOPATHOGENIC FUNGAL CULTURES**

## **History and Purpose of the ARSEF Collection**

The goal of the ARS Collection of Entomopathogenic Fungal Cultures (ARSEF) is to provide fundamental support for basic and applied research on the fungal pathogens of invertebrates. Since its establishment in the early 1970s, this collection has served as a general research resource for the isolation, collection, preservation, and distribution of fungal strains from insects, other arthropods, and nematodes. Emphasis has always been placed on acquiring and distributing strains under active study for use as potential biological control agents. Basic research associated with the collection includes fungal systematics, fungal cytology, pathobiology, and methodology for fungal cryopreservation. The culture collection and its associated collection of microscope slides and herbarium specimens provide invaluable support for taxonomic research on and the diagnoses of fungal pathogens of invertebrates. Identification services for specimens and cultures have always been available free of charge to any laboratories requesting them.

We strive to provide users with pure and accurately identified fungal cultures., and the taxonomies applied to the fungi in this collection are continuously updated to reflect their current accepted classifications. The curator of the collection welcomes all correspondence about nomenclatural or taxonomic changes or possible misidentifications involving any ARSEF strains.

The ARSEF collection began as Richard Soper's research collection in the USDA-ARS laboratory at the University of Maine (Orono; UMO) where its cultures were at initially designated by a UMO or RS prefix before adopting ARSEF in 1985. In 1978, the ARS Insect Pathology Research Unit relocated to Ithaca, NY, to work with the Boyce Thompson Institute (BTI) on the Cornell University campus. The Insect Pathology Research Unit became the Plant Protection Research Unit (PPRU) in 1985, and was renamed in 2008 as the Biological Integrated Pest Management Research Unit (BioIPM). The ARSEF collection moved from BTI in 1990 into the US Plant, Soil & Nutrition Laboratory which was rededicated in 2008 as the Robert W. Holley Center for Agriculture & Health to commemorate Dr. Holley's work there to complete the first sequencing of any nucleic acid; he received the 1968 Nobel Prize for Medicine or Physiology for this work.

BioIPM operates the ARSEF culture collection for the USDA Agricultural Research Service; the collection is not now and has never been owned or controlled by the Boyce Thompson Institute. ARSEF is one of the largest germplasm collections in the ARS, and is widely recognized for its active support of research on fungal pathogens of invertebrates. ARSEF and its associated herbarium are registered under the ARSEF acronym since 1985 with the World Federation of Culture Collections' World Data Center on Microorganisms and the International Association of Plant Taxonomists' *Index Herbariorum*, respectively.

From 1977 through 2008, all strains in the collection were preserved by immersion in liquid nitrogen. A program to lyophilize those isolates that could tolerate such was begun in the 1990's, and has expanded in scope and pace. At the end of 2008 the vast majority of the collection was consolidated in a single large nitrogen dewar in a new facility adjacent to the current building. Requests for cultures are filled with either actively growing cultures on appropriate media or, if available, as freeze-dried units.

## **Identifying and Acknowledging ARSEF Strains in Publications**

We request that all publications using or referring to strains obtained from ARSEF acknowledge the U.S. Department of Agriculture, ARS Plant Protection Research Unit and state the ARSEF accession numbers of these strains. We would very greatly appreciate receiving reprints of all past, current, and future publications or even periodic notification about research in progress involving the use of ARSEF strains.

Accession numbers of strains from commercial culture collections such as the American Type Culture Collection (ATCC), Centraalbureau voor Schimmelcultures (CBS), CAB International Mycological Institute (IMI), and other registered general service collections are listed in this catalog to provide complete information about specific isolates. ***Representation of cultures obtained from ARSEF as being from ATCC, CBS, IMI or UAMH or other general service culture collections violates trademark laws, and persons doing so are subject to prosecution.*** Cultures received from ARSEF should be referred to by their ARSEF numbers only even if they are co-deposited in other other culture collections.

## Depositing and Exchanging Cultures

BioIPM and ARSEF encourage deposition of entomopathogenic fungal cultures in the ARSEF collection—particularly strains used in published studies—and of voucher and reference specimens to its herbarium. Depositors may reserve the right to limit redistribution of any culture deposited with ARSEF for specified times upon consultation with the curator. Depositors can receive subcultures of their own depositions at any time; these cultures do not affect any allowances of free cultures. Exchanges of cultures between ARSEF and other research or general collections of fungal cultures are encouraged and are not subject to numerical limits.

**Prior to shipping cultures from countries outside the United States** contact the Curator to obtain the appropriate needed importation permit from the U.S. Department of Agriculture, Animal and Plant Health Inspection Services, Plant Protection and Quarantine.

**When sending cultures and/or specimens to ARSEF, it is very important to include as much of the following information as possible:**

1. Scientific name (and taxonomic authority) of the fungus.
2. Common and scientific name (with taxonomic authority) of the host.
3. Order and family of the host. (***This information is especially important!***)
4. Date and site of collection.
5. Name of collector.
6. Date and name of isolator.
7. Any collection, accession, or other identifier number(s) applied by the collector or sender.
8. Medium on which a culture is sent.
9. Any special requirements or conditions for growth (such as medium, temperature, pH).

## Diagnostic Services for Cultures and Specimens

Specimens and cultures of unidentified fungi from invertebrates can be submitted to ARSEF for diagnosis. This service is an important function of the ARS Collections of Entomopathogenic Fungi and is provided without charge. Identifications and information about the disposition of specimens will be mailed to the sender.

## Release of ARSEF Cultures from Containment or Quarantine

Neither the curator nor any employee of ARSEF or of the Plant Protection Research Unit is entitled to authorize the release of any culture it provides from laboratory containment or quarantine in the United States or elsewhere. Recipients of ARSEF cultures are responsible for obtaining appropriate and necessary permissions from or for providing official notifications to State and Federal regulatory agencies.

## **ORDERING INFORMATION**

Please send all requests for isolates directly to the Curator (Richard A. Humber):

ARS Collection of Entomopathogenic Fungal Cultures  
Robert W. Holley Center for Agriculture & Health  
Tower Rd.  
Ithaca, NY 14853-2901

Telephone: [+1] 607 255-1276  
**OR**  
Fax: [+1] 607 255-1132  
Email: richard.humber@ars.usda.gov

### ***Academic, Government, and Other Nonprofit Institutions***

1–5 isolates [up to 7 per calendar year]	<b>no charge</b>
6 or more isolates per order [8 or more per calendar year]	<b>US\$50 per strain</b>

Users from nonprofit institutions can receive up to five isolates without charge in any 6 month period, and up to seven cultures in any calendar year. Requests in excess of these limits may be charged at the rate of US\$50 per additional isolate requested. Requests from commercially sponsored research programs undertaken by nonprofit institutions are charged at the commercial rate and are not subject to numerical limits. Prices are subject to change without notice.

### ***Commercial and Industrial Institutions***

**US\$75 per strain**

Nonprofit institutions working on commercially sponsored contractual projects (such as screening programs) are charged at the rate of US\$75 per strain requested. There are no limits on the numbers of cultures that can be requested or shipped. Prices are subject to change without notice.

Commercial or industrial firms supporting research at the ARS Plant Protection Research Unit are entitled to free access to cultures pertinent to contracted projects; all other requests are charged at the current rate.

## **TERMS OF SHIPMENT**

If necessary, billings for isolates are issued through the Boyce Thompson Institute (BTI). *Checks or money orders for strains must be payable to the Boyce Thompson Institute* and sent directly to the curator of the ARS Collections of Entomopathogenic Fungi, to BTI or deposited by direct electronic funds transfer according to information provided by BTI. Consult the curator of the collections with questions about fees due for any particular shipment.

**All recipients of cultures are strongly encouraged to provide express shipper account numbers** to allow shipping costs to be billed directly to recipients, thus assuring significant cost-savings to the ARSEF collection.

We request confirmation of receipt and viability of cultures shipped. Inviable strains will be replaced.

ARSEF reserves the right to refuse to ship isolates

- to recipients who cannot handle them using standard microbiological practices,
- to laboratories that cannot assure laboratory containment of isolates except after obtaining permissions from applicable State and Federal regulatory agencies, or
- if use of routine mailing or shipping procedures cannot assure the receipt of viable cultures.

Neither ARSEF, BiolPM, nor the Boyce Thompson Institute is liable for damages arising from the misidentification of strains.

## INTERPRETATION OF STRAIN ACCESSION DATA

The following examples provide a guide to the arrangement and interpretation of collection data included in this catalog.

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### ***Beauveria bassiana* (Balsamo) Vuillemin**

**1564 [CBS 111238]. KV Deséo (103) Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna. Identification verified genomically. Ex-type isolate.**

1564	ARSEF accession number.
[CBS 111238]	Alternative deposition in another culture collection.
KV Deséo (03)	Depositor and depositor's reference or accession number.
Cortellini	Collector of this isolate.
<i>Hyphantria cunea</i> [Lepidoptera: Arctiidae]	Original host [host's order and family]
Mar 1984	Date of accession or receipt by ARSEF.
Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna	Country of origin followed by the locality and state.
Identification verified genomically. Ex-type isolate	Additional essential information about this isolate.

### ***Conidiobolus thrombooides* Drechsler**

**73 [CSIRO EM534; FPMI 28] RG Kenneth (3040) ← ATCC (24419) ← DM MacLeod ← G Thoizon. *Rhopalosiphum insertum* [Homoptera: Aphididae]. Rec'd 18 Jan 1976. France: Val-de-Marne, La Varenne.**

73	ARSEF accession number.
[CSIRO EM534; FPMI 28]	Alternative depositions of this strain in other culture collections.
RG Kenneth (3040)	Depositor and depositor's reference or accession number.
← ATCC (24419 ← DM MacLeod ← G Thoizon	Culture provenance: RG Kenneth obtained the culture from ATCC, which received it from DM MacLeod, who received it from G Thoizon.
<i>Rhopalosiphum insertum</i> [Acari: Eriophyidae]	Original host [host's order and family]
Rec'd Jan 18 1976	Date of receipt by ARSEF.
France: Val-de-Marne, La Varenne	Country of origin followed by the locality and region.

### ***Hirsutella thompsonii* Fisher**

**137 [ATCC 24874; CBS 952.73] CW McCoy (Fla. 68). *Phyllocoptrus oleivora* [Acar: Eriophyidae]. 1 Jan 1970. USA: Orlando, Florida.**

137	ARSEF accession number.
[ATCC 24874; CBS 952.73]	Alternative depositions of this strain in other culture collections.
CW McCoy (Fla. 68)	Depositor and depositor's reference or accession number.
<i>Phyllocoptrus oleivora</i> [Homoptera: Aphididae]	Original host together with the host's order and family.
Jan 1 1970	Date of accession or receipt by ARSEF. Note: January 1 is a default date if an exact date in a year is unknown; the first day of the month is the default if no specific day in a month is known.
USA: Orlando, Florida	Country of origin followed by the locality and state.

## ABBREVIATIONS

Information about the world's officially registered culture collections, their registered acronyms (e.g., ARSEF), and more is available from the CCINFO database and from other resources available at the website of the World Data Center for Microbiology <[http://wdcm.nig.ac.jp/WDCHomePage\\_text.html](http://wdcm.nig.ac.jp/WDCHomePage_text.html)>

ARSEF	ARS Collection of Entomopathogenic Fungi, USDA-ARS BioIPM Research Unit, Robert W. Holley Center for Agriculture & Health, 538 Tower Rd., Ithaca, New York, 14853-2901, USA
ATCC	American Type Culture Collection, PO Box 1549, Manassas, Virginia 20108, USA
CATIE	Centro Agronómico Tropical de Investigación y Enseñanza, Proyecto UIP, Apdo. Postal 7170, Turrialba, Costa Rica.
CBS	Centraalbureau voor Schimmelcultures, Uppsalaalaan 8, 3584 CT Utrecht, The Netherlands
CCF	Culture Collection of Fungi, Department of Botany, Charles University, Prague, Czech Republic
CCFC	Canadian Collection of Fungus Cultures, Centre for Land and Biological Resources Research, Room 1015, K.W. Neatby Bldg., Ottawa, Ontario K1A 0C6, Canada
CDC	Centers for Disease Control and Prevention, Atlanta, Georgia 30333, USA
CENARGEN	Centro Nacional de Pesquisa de Recursos Geéticos e Biotecnologia, S.A.I.N. Parque Rural, C.P. 102372, 70770 Brasília, D.F., Brazil
CIRI	Corn Insects Research Unit, USDA-ARS, R.R. Box 45B, Ankeny, Iowa 50021, USA
CNPAF	National Center for Agricultural Research on Rice and Beans, EMBRAPA, Goiânia, Goiás, Brazil
CNPS	National Center for Agricultural Research on Soybeans, EMBRAPA, Londrina, Paraná, Brazil
CP	Strains isolated during joint US-Brazil program funded by US-AID to study fungal biocontrol of the insect pests of cowpeas
DAOM	National Mycological Herbarium, Centre for Land and Biological Resources Research, Agriculture Canada, Central Experimental Farm, Ottawa, Ontario, K1A 0C6, Canada
DAR	New South Wales Department of Agriculture, Rydalmere, NSW, Australia
EFCC	Korean Entomopathogenic Fungal Collection (JM Sung, Curator), Dept. of Agricultural Biology, Kangwon National University, Chuncheon, Rep. of Korea
FI	CSIRO Entomology Division, Collection of Entomopathogenic Fungi, Black Mountain Laboratories, Canberra, ACT, Australia. This collection, formerly curated by R. Milner, is now orphaned and is being transferred to ARSEF.
FPMI	Great Lakes Forestry Center (formerly Forest Pest Management Institute), 1219 Queen Street East, Sault Ste. Marie, Ontario P6A 5M7, Canada. This collection, formerly led by D MacLeod and D Tyrrell is orphaned and endangered. Its surviving isolates <i>may</i> be

transferred to DAOM.

GCRI	Horticulture Research International (formerly, Glasshouse Crops Research Institute), Worthing Road, Littlehampton, W. Sussex BN17 6LP, England, UK
HACC	Hindustan Antibiotics Ltd., Pimpri, Poona, India
IMI	(Now incorporated in United Kingdom National Culture Collection [UKNCC]) CABI Bioscience, Bakeham Lane, Egham, Surrey TW20 9TY, UK
INRA	Station de Recherches de lutte Biologique et Biocoenotique, INRA (Institut National de la Recherche Agronomique), La Minière – 78280 Guyancourt, France
IPLB	Unité de Lutte Biologique, Institut Pasteur, 28 Rue de Dr. Roux, 75724 Paris, France
IRRI	International Rice Research Institute, P.O. Box 933, Manila, Philippines
KEFC	(see EFCC)
KSU	Kansas State University, Department of Entomology, Manhattan, Kansas 66506, USA
MAF	Ministry of Agriculture and Fisheries, Canterbury Agriculture and Science Centre, Ellesmere Junction Road, P.O. Box 24, Lincoln, New Zealand
MU	Miami University, Willard Sherman Turrell Herbarium, Department of Botany, 79 Upham Hall, Oxford, Ohio 45056, USA
NCTC	National Collection of Type Cultures, Public Health Laboratory Service, 61 Colindale Ave., London NW9 5HT, England, UK
NRRL	ARS Culture Collection, USDA-ARS National Center for Agricultural Utilization Research, 1815 N. University, Peoria, Illinois 61604, USA
PSU	<i>Fusarium</i> Research Center, The Pennsylvania State University, 216 Buckhout Laboratory, University Park, Pennsylvania 16802, USA
QEC	Queen Elizabeth College, University of London, Department of Biology, Campden Hill Road, London W8 7AH, England, UK
QM	U.S. Army Natick Laboratories (formerly, Quartermaster Research and Development Center), Natick Massachusetts. Note: This collection has been transferred to NRRL.
RSA	Rancho Santa Ana Botanic Garden, 1500 North College Ave., Claremont, California 91711, USA
SBI	Sugarcane Breeding Institute, Indian Council of Agricultural Research, Coimbatore – 641 007, Tamil Nadu, India
UAF	University of Arkansas, Edpartment of Entomology, 321 Agriculture Building, Fayetteville, Arkansas 72701, USA
UAMH	University of Alberta Microfungus Collection, Devonian Botanic Garden, University of Alberta, Alberta T6G 2H7, Canada

*Beauveria* sp.

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Almost all strains listed here closely resemble *B. bassiana* (or *B. brongniartii*) but were not so identified because of small (and possibly insignificant) differences in conidia size and/or shape.

- 32 JE Henry. [Orthoptera: Acrididae]. 12 Jul 1973. USA: Montana.
- 547 VA Dyck. *Pachybrachis pallicornis* [Coleoptera: Chrysomelidae]. Acc'd 17 Sep 1986. Malaysia.
- 590 JM Lenné. *Mocis* sp. [Lepidoptera: Noctuidae]. Rec'd 13 Apr 1981. Colombia: Carimagua.
- 1040 J Aoki (Beau. 2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Suginami, Tokyo Prefecture. Identification verified genomically.
- 1195 TJ Poprawski (001). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 18 May 1983. Italy: Vetralla, Lazio.
- 1196 TJ Poprawski (002). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1197 TJ Poprawski (004). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1198 TJ Poprawski (005). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1199 TJ Poprawski (013). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.
- 1200 TJ Poprawski (014). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.
- 1201 TJ Poprawski (023). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1202 TJ Poprawski (024). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1203 TJ Poprawski (025). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1204 TJ Poprawski (026). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1205 TJ Poprawski (027). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1206 TJ Poprawski (028). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1207 TJ Poprawski (030). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1208 TJ Poprawski (034). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Piancastagnaio, Toscana.
- 1209 TJ Poprawski (035). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 May 1983. Italy: Acquapendente, Lazio.
- 1210 TJ Poprawski (037). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1211 TJ Poprawski (038). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1213 TJ Poprawski (046). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1214 TJ Poprawski (047). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1215 TJ Poprawski (049). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1216 TJ Poprawski (050). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1218 TJ Poprawski (051). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1219 TJ Poprawski (052). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1220 TJ Poprawski (057). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1221 TJ Poprawski (059). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1222 TJ Poprawski (060). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1224 TJ Poprawski (061). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1327 TJ Poprawski (082). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1983. France: Saint-Laurent, Vosges.
- 1681 M Shimazu (F-333). *Shirahoshizo insidiosus* [Coleoptera: Curculionidae]. 27 Jan 1982. Japan: Takao, Tokyo Prefecture.
- 1682 M Shimazu (F-357(11)). *Anomala cuprea* [Coleoptera: Scarabaeidae]. 20 Nov 1980. Japan: Nagano Prefecture.
- 1835 SB Alves (295). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 21 Jan 1985. Brazil.
- 1886 H David. *Chilo infuscatellus* [Lepidoptera: Pyralidae] on sugar cane. Rec'd 1 Jun 1985. India: Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.

- 2164 BN Muthappa (PNG 12723). [Homoptera: Membracidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2412 K Narayanan (9). *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. Acc'd 6 May 1987. India.
- 2998 CBS (607.80) ← HC Evans. Larva, [Lepidoptera]. Rec'd 22 May 1990. Ecuador.
- 3289 J Gutierrez Samperio (5) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3510 I Quintela (VL1). Rec'd 13 Dec 1991. Location not specified.
- 3859 [JB Tavares BRA-000027] MS Tigano-Milani (CG-76#1). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 13 Jan 1993. Brazil.
- 3929 DR Sosa-Gómez (CNPSo-Bb48). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF: 944 & 933.
- 3936 DR Sosa-Gómez (CNPSo-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF 944& 933.
- 4027 T Steenberg (231) ← CW Riedel. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1990. Denmark: Slangerup, Zealand.
- 4197 LA Lacey (94015). [Orthoptera: Acrididae]. Rec'd 12 May 1994. Russian Federation.
- 4254 [DAT 105] AC Rath (F105). Soil. 14 Jan 1988. Australia: Big Plains, Benham Estate, Avoca, Tasmania. May be a NEW SPECIES. Conidia ovoid/drop-shaped to elongate. Conidiogenous cells mostl elongate with very contorted and thick rachis. Very unusual.
- 4364 LA Lacey (94129). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4365 LA Lacey (94130). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4390 LA Lacey (94132). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4391 LA Lacey (94133). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4392 LA Lacey (94134). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4393 LA Lacey (94111). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4394 LA Lacey (94112). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4395 LA Lacey (94113). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4396 LA Lacey (94114). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4397 LA Lacey (94115). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4853 JM Sung (C-332). Adult, [Coleoptera: Coccinellidae]. Jul 1994. Republic of Korea: KNU experiment Forest, Kangwon National University.
- 4909 LA Lacey (95011). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4910 LA Lacey (95012). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4911 LA Lacey (95013). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4912 LA Lacey (95014). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4913 LA Lacey (95015). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4914 LA Lacey (95016). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4915 LA Lacey (95017). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4916 LA Lacey (95018). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4917 LA Lacey (95019). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4918 LA Lacey (95020). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4920 LA Lacey (95022). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 5078 SR Booth (Quinby; BSP). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jan 1994. USA: Cranberry bog, Grayland, Washington.
- 5174 S Gouli (GA-86). [Araneida: Araneae]. 24 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5186 S Gouli (GA-96). [Coleoptera: Lampyridae]. 2 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5187 S Gouli (GA-97). [Araneida: Araneae]. 1 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5622 I Vänninen (SF85-2). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 18 Jul 1985. Finland: Pernaja.
- 5678 BL Parker (SPT-020). [Coleoptera: Coccinellidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5686 BL Parker (SPT-101). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Jan 1998. Turkey: Belen, Gaziantep.

- 5697 JM Sung (KEFC-1105). [Coleoptera]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.
- 5831 BL Parker (SPT 003). [Coleoptera]. 17 Jan 1998. Turkey: Karabiyikli, Narli, Kahraman Maras.
- 5832 BL Parker (SPT 11(a)). [Lepidoptera]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.
- 5833 BL Parker (SPT 013/1). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.
- 6533 FE Vega (EBCL 99076). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.
- 6534 FE Vega (EBCL 99077). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.
- 6535 FE Vega (EBCL 99080). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.
- 6536 FE Vega (EBCL 99085). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.
- 6537 FE Vega (EBCL 99088). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Lagodekhi.
- 6691 [Araneida: Araneae]. Rec'd 17 Jan 2001. Ethiopia: Gusquam.
- 7079 KT Hodge (PR32). Edges of cocoon on underside of leaf, *Fabaceae*. 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.
- 7463 [CEP 061] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 13 Jul 2004. Argentina: San Vicente, Buenos Aires.
- 7562 I Klingen (NCRI 225/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7563 I Klingen (NCRI 226/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7564 I Klingen (NCRI 228/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7565 I Klingen (NCRI 229/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7566 I Klingen (NCRI 235/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7567 I Klingen (NCRI 236/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7579 [SRCAMB B-3/3] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Sep 2001. Russian Federation: Caucasus region, Karachayev-Cherkessiya Republ. Field Collection Number F-289.
- 7580 [SRCAMB B-22] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Elateridae] Isolated from stroma of *Cordyceps* sp. 28 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-172.
- 7582 [SRCAMB B-28] V Likhovidov ← BA Borisov. [Araneida] Isolated from fungal stroma. 30 Aug 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-201.
- 7584 [SRCAMB B-37/1] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta Isolated from synnema. Sep 2001. Russian Federation: Caucasus region, Karachayev-Cherkessiya Republ. Field Collection Number F-171.
- 7586 [SRCAMB B-44] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps chichibuensis*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-170.
- 7587 [SRCAMB VL-64] V Likhovidov. Pupa, [Lepidoptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-177.
- 7588 [SRCAMB B-95] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-203.
- 7589 [SRCAMB B-160] V Likhovidov ← BA Borisov. *Apis mellifera* [Hymenoptera: Apidae]. Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-175.
- 7591 [SRCAMB B-182] V Likhovidov ← BA Borisov. [Coleoptera: Coccinellidae]. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-173.
- 7594 [SRCAMB B-301] V Likhovidov ← BA Borisov. Larva, [Lepidoptera] Isolated from stroma of *Cordyceps variegata*. 11 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-321.
- 7595 [SRCAMB B-405] V Likhovidov ← BA Borisov. [Coleoptera]. Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-207.
- 7597 [SRCAMB VL-911] V Likhovidov. *Formica rufa* [Hymenoptera: Formicidae]. Aug 2002. Russian Federation: Galichya Gora Nature Reserve, Lipetsk Oblast. Field Collection Number F-176.

- 7598 [SRCAMB VL-1040/2] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-174.
- 7960 LA Lacey (3A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Mile 300, burned area, Alaska. 66°37'47" N, 150°40'34" W.
- 7982 [CENARGEN CG 725] Rec'd 29 Mar 2006. Boveril commercial product from Itaforte BioProdutos, Brazil. **RESTRICTED ACCESS:** consult Curator.
- 8110 LS Bauer and H Liu (MF-101). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 3 Mar 2003. USA: Northville, Michigan.
- 8111 LS Bauer and H Liu (MF-102). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 3 Mar 2003. USA: Northville, Michigan.
- 8112 LS Bauer and H Liu (MF-201). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 4 Dec 2005. USA: Brighton, Michigan.
- 8113 LS Bauer and H Liu (MF-202). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.
- 8116 LS Bauer and H Liu (MF-205). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.
- 8117 LS Bauer and H Liu (MF-206). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.
- 8119 LS Bauer and H Liu (MF-209). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 23 Jan 2006. USA: Brighton, Michigan.
- 8120 LS Bauer and H Liu (MF-210). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 23 Jan 2006. USA: Brighton, Michigan.
- 8121 LS Bauer and H Liu (MF-211). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 23 Jan 2006. USA: Brighton, Michigan.
- 8122 LS Bauer and H Liu (MF-212). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 23 Jan 2006. USA: Brighton, Michigan.
- 8123 LS Bauer and H Liu (MF-213). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 Dec 2005. USA: Brighton, Michigan.
- 8124 LS Bauer and H Liu (MF-214). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 2 Feb 2006. USA: Brighton, Michigan.
- 8125 LS Bauer and H Liu (MF-215). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.
- 8126 LS Bauer and H Liu (MF-216). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.
- 8127 LS Bauer and H Liu (MF-217). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.
- 8128 LS Bauer and H Liu (MF-218). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.
- 8129 LS Bauer and H Liu (MF-219). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.
- 8130 LS Bauer and H Liu (MF-220). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.
- 8132 LS Bauer and H Liu (MF-222). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.
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***Beauveria amorpha*** (von Hoehnel) Minnick, SA Rehner & Humber  
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***Beauveria amorpha*(?)** (van Hoehnel) Samson & HC Evans  
[Sordariomycetes: Hypocreales]  
Cordycipitaceae

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***Beauveria asiatica*** SA Rehner & Humber  
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Cordycipitaceae. Defined primarily by genotypic characters

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***Beauveria australis*** SA Rehner & Humber  
[Sordariomycetes: Hypocreales]  
Cordycipitaceae. Defined primarily by genotypic characters

- 4580 [DAT 460] AC Rath (F460). [Orthoptera: Acrididae]. Rec'd 1 Sep 1994. Australia: Tasmania. Identification verified genomically.

- 4598 [DAT 308] AC Rath (F308) ← H Yip (HY51). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania. EX-TYPE ISOLATE; species defined by genomic characters.

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***Beauveria bassiana*** (Balsamo-Crivelli) Vuillemin  
[Sordariomycetes: Hypocreales]  
Cordycipitaceae. Major synonym: *Beauveria densa* (Link:Fries) Picard

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- 736 [CNPAF 82-1-6-04; CP 10] RA Daoust ← G Pereira Rios. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 6 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.
- 737 [CNPAF 82-1-26-01; CP 20] RA Daoust ← E Ferreira. [Hemiptera: Pentatomidae]. 26 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.
- 738 [CNPAF 82-2-9-01; CP 23] RA Daoust. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 9 Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
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- 753 [CNPAF 82-3-24-01; CP 36] RS Soper. *Aracanthus* sp. [Coleoptera: Curculionidae]. 24 Mar 1982. Brazil: Brejo Santo, Ceará.
- 754 [CNPAF 82-4-4-01; CP 38] RA Daoust. [Coleoptera]. 4 Apr 1982. Brazil: CNPAF, Goiânia, Goiás.
- 756 [CNPAF 81-11-25-04; CP 4] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 25 Nov 1981. Brazil: Costa do Surubin, Cristo Rei, Amazonas.
- 757 [CNPAF 82-3-23-01; CP 35] RA Daoust. [Coleoptera: Tenebrionidae]. 23 Mar 1982. Brazil: Missão Velha, Ceará.
- 758 [CNPAF 82-3-1-03; CP 29] RA Daoust. *Diabrotica paranaensis* [Coleoptera: Chrysomelidae]. 1 Mar 1982. Brazil: CNPAF, Goiânia, Goiás.
- 783 [CNPAF 82-5-6-02; CP 59] RA Daoust ← JPP de Araújo. Adult, [Coleoptera: Tenebrionidae]. 6 May 1982. Brazil: Barbalha, Ceará.
- 784 [CNPAF 82-4-30-01C; CP 47] RA Daoust and JPP de Araújo. Adult, [Coleoptera: Elateridae]. 30 Apr 1982. Brazil: Novo Oriente, Ceará.
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- 814 GG Soares (10). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.
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- 842 *Metamasius* sp. [Coleoptera: Curculionidae]. Acc'd 6 Jun 1983. Colombia.
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- 947 [CNPAF 83-03-15-M; CP 88] RA Daoust and BP Magalhães. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.
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- 950 [CNPAF 83-03-15-Q; CP 91] RA Daoust and BP Magalhães. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.
- 951 [CNPAF 83-03-15-B; CP 92] RA Daoust and BP Magalhães. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.
- 952 [CNPAF 83-03-15-H; CP 93] RA Daoust and BP Magalhães. Adult, [Coleoptera: Carabidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.
- 953 [CNPAF 83-03-16K; CP 98] RA Daoust and BP Magalhães. *Chalcodermus* sp. [Coleoptera: Curculionidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.
- 956 [CNPAF 83-5-27; CP 101] RA Daoust ← SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 27 May 1983. Brazil: CNPAF, Goiânia, Goiás.
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- 958 [CNPAF 83-01-06A (CB 97); CP 104] RA Daoust ← SM de Carvalho. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 6 Jan 1983. Brazil: Londrina, Paraná.

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- 1007 J Aoki (Beau. 3). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.
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- 1038 G Riba. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Fall 1983. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1039 L Allee. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1983. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
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- 1053 [CNPS 14] F Moscardi. [Orthoptera: Acrididae]. 1983. Brazil: Londrina, Paraná.
- 1054 [CNPS 15] F Moscardi. *Nezara viridula* [Hemiptera: Pentatomidae]. 1983. Brazil: Londrina, Paraná.
- 1060 [CNPS 31] F Moscardi. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 1983. Brazil: Londrina, Paraná.
- 1061 [CNPS 32] F Moscardi ← Francisco. [Coleoptera: Curculionidae]. 1983. Brazil: Londrina, Paraná.
- 1073 TJ Poprawski (83-48). Adult, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jul 1983. France: tree nursery containers, Les Thilliers-en-Vexin, Eure.
- 1074 TJ Poprawski (83-49). Adult, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jul 1983. France: tree nursery containers, Les Thilliers-en-Vexin, Eure.
- 1075 TJ Poprawski (83-54). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 21 Jul 1983. France: tree nursery containers, Les Thilliers-en-Vexin, Eure.
- 1079 *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Acc'd Feb 1984. USA: Washington.
- 1081 L Allee. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1983. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1098 Y Ando. *Nephrotettix cincticeps* [Homoptera: Cicadellidae]. 20 Feb 1983. Japan: Insectron Experiment Station, Tsukuba, Ibaraki Prefecture.
- 1103 [ARSEF 1558] KV Deseö (8) ← Goidanich. Larva, *Cossula cossus* [Lepidoptera: Cossidae]. Jun 1981. Italy: Bologna, Emilia-Romagna.
- 1104 KV Deseö (10) ← Goidanich. Larva, *Cossula cossus* [Lepidoptera: Cossidae]. Jun 1981. Italy: Bologna, Emilia-Romagna.
- 1105 KV Deseö (17). Larva, *Zeuzera pyrina* [Lepidoptera: Cossidae]. Jan 1982. Italy: Galliera.
- 1106 KV Deseö (25) ← Chianella. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Feb 1982. Italy: Sicily.
- 1107 KV Deseö (26) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Mar 1982. Italy: Modena, Emilia-Romagna.
- 1110 KV Deseö (31) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Modena, Emilia-Romagna.
- 1113 KV Deseö (38). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. Jun 1982. Italy: insect colony, Bologna, Emilia-Romagna.
- 1114 KV Deseö (39). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. Jun 1982. Italy: insect colony, Bologna, Emilia-Romagna.
- 1115 KV Deseö (40A) ← Celli. Pupa, *Leucoptera scitella* [Lepidoptera: Lyonetiidae]. Aug 1982. Italy: Ravenna, Emilia-Romagna.
- 1117 KV Deseö (41) ← Celli. Pupa, *Leucoptera scitella* [Lepidoptera: Lyonetiidae] with hymenopterous parasite. Aug 1982. Italy: Ravenna, Emilia-Romagna.
- 1118 KV Deseö (45) ← Maini. Larva, *Sesamia cretica* [Lepidoptera: Noctuidae]. Sep 1982. Italy: Forlì, Emilia-Romagna.
- 1119 KV Deseö (47). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. Oct 1982. Italy: Modena, Emilia-Romagna.
- 1121 KV Deseö (81) ← Chianella. Pupa, *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Mar 1982. Italy: Padua, Venetia.
- 1122 KV Deseö (83). *Cydia pomonella* [Lepidoptera: Tortricidae]. Mar 1983. Italy: Bologna, Emilia-Romagna.
- 1149 TJ Poprawski (83-79). 3rd instar larva, *Helicoverpa armigera* [Lepidoptera: Noctuidae]. 4 Aug 1983. Spain: Córdoba.
- 1150 TJ Poprawski (83-37). Adult, [Diptera: Tachinidae] parasitic on *Sitona lineatus* [Coleoptera: Curculionidae]. 17 Nov 1983. France: Senneville.
- 1151 TJ Poprawski (83-05). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. 24 Aug 1983. Canada: L'Acadie, Québec.
- 1153 TJ Poprawski (074). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.
- 1154 TJ Poprawski (072). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 25 Jan 1984. Morocco: Jramma.
- 1155 TJ Poprawski (073). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.
- 1156 TJ Poprawski (83-639). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 22 Oct 1983. France: Guyancourt, Yvelines.

- 1157 TJ Poprawski (83-619). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1158 TJ Poprawski (83-634). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Vernon, Eure.
- 1159 TJ Poprawski (83-615). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1160 TJ Poprawski (83-614). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1161 TJ Poprawski (83-626). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Mantes-la-Jolie, Yvelines.
- 1162 TJ Poprawski (83-623). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Limay, Yvelines.
- 1163 TJ Poprawski (071A). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.
- 1164 TJ Poprawski (070). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.
- 1165 TJ Poprawski (83-621). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1166 TJ Poprawski (83-77). 3rd instar larva, *Helicoverpa armigera* [Lepidoptera: Noctuidae]. 2 Aug 1983. Spain: Córdoba.
- 1167 TJ Poprawski (83-701). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Nov 1983. France: Senneville.
- 1168 TJ Poprawski (83-702). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 10 Oct 1983. France: Senneville.
- 1169 TJ Poprawski (83-703). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Senneville.
- 1170 TJ Poprawski (83-704). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 23 Nov 1983. France: Senneville.
- 1171 TJ Poprawski (A2). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1172 TJ Poprawski (A4). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1173 TJ Poprawski (A5). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 16 Feb 1984. Morocco: Achouria.
- 1174 TJ Poprawski (A6). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1175 TJ Poprawski (A7). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 10 Feb 1984. Morocco: Achouria.
- 1176 TJ Poprawski (J1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Jan 1984. Morocco: Jorf.
- 1177 TJ Poprawski (J2). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Jan 1984. Morocco: Jorf.
- 1178 TJ Poprawski (J3). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 7 Feb 1984. Morocco: Jorf.
- 1179 TJ Poprawski (J4). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 2 Dec 1983. Morocco: Jorf.
- 1180 TJ Poprawski (J5). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 2 Dec 1983. Morocco: Jorf.
- 1181 TJ Poprawski (J6). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 10 Feb 1984. Morocco: Jorf.
- 1182 TJ Poprawski (83-616). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Senneville.
- 1183 TJ Poprawski (J7). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 16 Feb 1984. Morocco: Jorf.
- 1185 [INRA Bb-142] TJ Poprawski. *Sitona discoideus* [Coleoptera: Curculionidae]. May 1977. France: Viols-le-Fort, Hérault.
- 1186 [INRA Bb-195] TJ Poprawski. Adult, *Caryedon serratus* [Coleoptera: Bruchidae]. 6 Jun 1983. France: La Minière.
- 1188 TJ Poprawski (E1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Elbaya.
- 1189 TJ Poprawski (A1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1190 TJ Poprawski (A3). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1191 TJ Poprawski (645). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Dec 1983. France: Orléans, Loiret.
- 1192 TJ Poprawski (646). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Anet, Eure-et-Loir.
- 1193 TJ Poprawski (647). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Ecos, Eure.
- 1194 TJ Poprawski (648). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Meulan, Yvelines.
- 1269 [IRRI Pal. 2] MC Rombach. *Leptocoris oratorius* [Hemiptera: Rhopalidae] on rice. Acc'd 3 May 1984. Philippines: Palawan.
- 1270 [IRRI O2III] MC Rombach. *Leptocoris oratorius* [Hemiptera: Rhopalidae] on rice. Acc'd 3 May 1984. Philippines: Palawan.
- 1306 TJ Poprawski (83-611). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1309 TJ Poprawski (A8). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.

- 1311 TJ Poprawski (A10). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1312 TJ Poprawski (A11). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1313 TJ Poprawski (A12). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1314 TJ Poprawski (070A). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1315 TJ Poprawski (070B). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1316 TJ Poprawski (070C). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1317 TJ Poprawski (074A). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1318 TJ Poprawski (074B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1319 TJ Poprawski (076). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1320 TJ Poprawski (078). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1321 TJ Poprawski (079B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1322 TJ Poprawski (079C). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1323 TJ Poprawski (079D). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1324 TJ Poprawski (079E). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1325 TJ Poprawski (079F). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1326 TJ Poprawski (080). Nymph, [Orthoptera: Acrididae]. 27 Jun 1983. France: Prades, Pyrénées-Orientales.
- 1359 S Balazy (1597a). Rec'd 19 May 1984. Poland.
- 1389 TJ Poprawski (088). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Baron.
- 1394 TJ Poprawski (071). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 18 Aug 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1395 TJ Poprawski (075). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 23 Aug 1983. France: Saint-Denis du Pin, Seine-Saint-Denis.
- 1396 TJ Poprawski (077A). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.
- 1397 TJ Poprawski (077B). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.
- 1398 TJ Poprawski (086). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Marsanne, Drôme.
- 1399 TJ Poprawski (087). Adult, *Hypera postica* [Coleoptera: Curculionidae]. Mar 1984. France: Marsanne, Drôme.
- 1404 TJ Poprawski (092A). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.
- 1405 TJ Poprawski (092B). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.
- 1406 TJ Poprawski (093A). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1407 TJ Poprawski (093B). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1408 TJ Poprawski (094A). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1409 TJ Poprawski (094B). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1410 TJ Poprawski (095). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1411 TJ Poprawski (096A). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1412 TJ Poprawski (096B). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1413 TJ Poprawski (097). Nymph, *Lygus sp.* [Hemiptera: Miridae]. 13 Oct 1983. France: Senneville.
- 1414 TJ Poprawski (099). Nymph, *Lygus sp.* [Hemiptera: Miridae]. May 1984. France: Senneville.
- 1450 [CNPAF 52; CP 125] F Moscardi. *Sternechus sub-signatus* [Coleoptera: Curculionidae]. 27 Mar 1984. Brazil: Londrina, Paraná.
- 1453 [CNPAF 84-02-30-2; CP 143] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.
- 1454 [CNPAF 84-03-28-1F; CP 144] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1455 [CNPAF 84-03-28-D; CP 145] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1456 [CNPAF 84-04-03-6A; CP 146] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1457 [CNPAF 84-03-28-1A; CP 147] RA Daoust. *Podisus sp.* [Hemiptera: Pentatomidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1458 [CNPAF 84-03-28-1E; CP 148] RA Daoust. *Cerotoma sp.* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.

- 1459 [CNPAF 84-04-03-1E; CP 149] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1460 [CNPAF 84-04-03-1B; CP 150] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1461 [CNPAF 84-03-29-1; CP 151] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 29 Mar 1984. Brazil: Capitão Leônidas Marques, Paraná.
- 1462 [CNPAF 84-03-28-1G; CP 152] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1463 [CNPAF 84-03-28-1L; CP 153] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1464 [CNPAF 84-04-03-6B; CP 154] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1465 [CNPAF 84-04-03-1A; CP 155] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1466 [CNPAF 84-03-31-6; CP 156] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 31 Mar 1984. Brazil: Sto. Antonio do Sudoeste, Paraná.
- 1467 [CNPAF 84-04-02-5A; CP 157] RA Daoust and BP Magalhães. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: São Carlos, Santa Catarina.
- 1468 [CNPAF 84-04-02-5B; CP 158] RA Daoust and BP Magalhães. [Hymenoptera: Superfamily Apoidea]. 2 Apr 1984. Brazil: São Carlos, Santa Catarina.
- 1469 [CNPAF 84-03-31-2; CP 159] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 31 Mar 1984. Brazil: Sto. Antonio do Sudoeste, Paraná.
- 1470 [CNPAF 84-04-02-3; CP 160] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.
- 1471 [CNPAF 84-04-02-4; CP 161] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.
- 1472 [CNPAF 84-04-02-2; CP 162] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.
- 1473 [CNPAF 84-04-02-1B; CP 163] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.
- 1474 [CNPAF 84-04-02-1A; CP 164] RA Daoust, BP Magalhães and M Pinat. *Nezara viridula* [Hemiptera: Pentatomidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.
- 1475 [CNPAF 84-04-03-1C; CP 165] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1476 [CNPAF 84-04-25-1; CP 166] SM dos Santos. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 25 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1478 SB Alves (256). *Euschistus heros* [Hemiptera: Pentatomidae] on soybean. Rec'd 6 Jul 1984. Brazil: Goiás. Identification verified genomically.
- 1479 SB Alves (246). *Stenoma decora* [Lepidoptera: Stenomatinae] on cacao. Rec'd 6 Jul 1984. Brazil: Bahia.
- 1480 SB Alves (252). *Hypothenemus hampei* [Coleoptera: Scolytidae] on coffee. Rec'd 6 Jul 1984. Brazil: São Paulo.
- 1483 SB Alves (61). *Cosmopolites sordidus* [Coleoptera: Curculionidae] on banana. Rec'd 6 Jul 1984. Brazil: Espírito Santo.
- 1484 SB Alves (196). *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. Rec'd 6 Jul 1984. Brazil: Pernambuco.
- 1491 [INRA Bb-169] GG Soares. *Sitona humeralis* [Coleoptera: Curculionidae]. Mar 1981. France: Lusignan, Vienne.
- 1509 I Majchrowicz (56) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1510 I Majchrowicz (58) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1511 I Majchrowicz (75) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1512 TJ Poprawski (0102A). Adult, *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 21 Jun 1984. France: La Minière.
- 1513 TJ Poprawski (0102B). Adult, *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 21 Jun 1984. France: La Minière.
- 1514 TJ Poprawski (0103A). Pupa, *Musca autumnalis* [Diptera: Muscidae]. 13 Jun 1984. France: Le Trait, Seine-Maritime.
- 1515 TJ Poprawski (0107). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 13 Jun 1984. France.
- 1516 TJ Poprawski (0108). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 19 Aug 1984. France: Senneville.
- 1517 TJ Poprawski (0109). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 19 Jun 1984. France: Dagny.

- 1518 TJ Poprawski (0111). Adult, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. 27 Jun 1984. France: Entraigues, Vaucluse.
- 1519 TJ Poprawski (0112). Adult, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. 27 Jun 1984. France: Entraigues, Vaucluse.
- 1520 TJ Poprawski (0117A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 27 Jun 1984. France: Prades, Pyrénées-Orientales.
- 1521 TJ Poprawski (0117B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 27 Jun 1984. France: Prades, Pyrénées-Orientales.
- 1523 TJ Poprawski (0122). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. France: Ronce.
- 1524 TJ Poprawski (0123). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. France: Ronce.
- 1525 TJ Poprawski (0124A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.
- 1526 TJ Poprawski (0124B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.
- 1527 TJ Poprawski (0125). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.
- 1528 TJ Poprawski (0126). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.
- 1529 TJ Poprawski (0127A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.
- 1531 TJ Poprawski (0127B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.
- 1533 TJ Poprawski (0128A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1534 TJ Poprawski (0128B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1535 TJ Poprawski (0130A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1536 TJ Poprawski (0130B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1537 TJ Poprawski (0131A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1538 TJ Poprawski (0131B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1539 TJ Poprawski (0132). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1540 TJ Poprawski (0133A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1553 RS Soper (B). *Nephrotettix bipunctata cincticeps* [Homoptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.
- 1554 RS Soper (C). *Nephrotettix bipunctata cincticeps* [Homoptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.
- 1555 RS Soper (D). *Nephrotettix bipunctata cincticeps* [Homoptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.
- 1556 RS Soper (E). *Nephrotettix bipunctata cincticeps* [Homoptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.
- 1558 [ARSEF 1103] KV Deseö (8) ← Goidanich. Larva, *Cossula cossus* [Lepidoptera: Cossidae]. Jun 1981. Italy: Bologna, Emilia-Romagna.
- 1559 KV Deseö (88) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1560 KV Deseö (89) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1561 KV Deseö (90) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1562 KV Deseö (91) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1563 KV Deseö (92) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
- 1564 [CBS 111238] KV Deseö (103) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna. Identification verified genomically. Ex-type isolate.
- 1565 KV Deseö (109) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna.
- 1566 S Keller (D155). [Coleoptera: Scolytidae]. 14 Aug 1984. Switzerland: Siblingen, Schaffhausen.
- 1619 L Allee. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 6 Aug 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1620 L Allee. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 6 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1621 L Allee. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 6 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

- 1622 L Allee. Larva, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 27 Jul 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1623 L Allee. Larva, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 27 Jul 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1624 L Allee. Larva, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 30 Jul 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1627 TJ Poprawski (0104). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllö.
- 1628 TJ Poprawski (0105). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllö.
- 1629 TJ Poprawski (0106). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllö.
- 1630 TJ Poprawski (0118A). Larva, *Calliphora* sp. [Diptera: Calliphoridae]. 27 Jun 1984. France: Sèvres, Yvelines.
- 1635 TJ Poprawski (0133B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 Jun 1984. Austria: Burgenland.
- 1636 TJ Poprawski (0134). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
- 1637 TJ Poprawski (0135A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1638 TJ Poprawski (0135B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1640 TJ Poprawski (0137). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1643 TJ Poprawski (0140). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1647 TJ Poprawski (0143). Adult, *Sitona* sp. [Coleoptera: Curculionidae]. 22 Aug 1984. France: Orval, Ardennes.
- 1648 TJ Poprawski (0144). Adult, *Lygus* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Charente.
- 1649 TJ Poprawski (0145). Adult, *Lygus* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Drôme.
- 1650 TJ Poprawski (0146). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Saint-Denis du Pin, Seine-Saint-Denis.
- 1651 Abbott Laboratories (122-1). 1984 formulation of ARSEF 252. Acc'd 11 Oct 1984. Location not specified.
- 1652 Abbott Laboratories (106(2)). 1984 formulation of ARSEF 252. Acc'd 11 Oct 1984. Location not specified.
- 1653 Abbott Laboratories (114(2)). 1984 formulation of ARSEF 252. Acc'd 11 Oct 1984. Location not specified.
- 1654 Abbott Laboratories (112). 1984 formulation of ARSEF 252. Acc'd 11 Oct 1984. Location not specified.
- 1677 M Shimazu (F-185). *Dendrolimus spectabilis* [Lepidoptera: Lasiocampidae]. 26 Jul 1976. Japan: Ishikawa Prefecture.
- 1678 M Shimazu (F-237). *Moechotypa diphysis* [Coleoptera: Cerambycidae]. Aug 1978. Japan: Tsushima, Nagasaki Prefecture.
- 1679 M Shimazu (F-263). *Monochamus alternatus* [Coleoptera: Cerambycidae]. 25 Aug 1978. Japan: Kumamoto Prefecture.
- 1683 M Shimazu (F-359(30)). *Anomala cuprea* [Coleoptera: Scarabaeidae]. 20 Nov 1980. Japan: Nagano Prefecture.
- 1689 Abbott Laboratories (AARC 8401-A(1)). 1984 formulation of ARSEF 252. Acc'd 5 Nov 1984. Location not specified.
- 1690 Abbott Laboratories (AARC 8401-A(2)). 1984 formulation of ARSEF 252. Acc'd 5 Nov 1984. Location not specified.
- 1691 Abbott Laboratories (AARC 8401-B). 1984 formulation of ARSEF 252. Acc'd 5 Nov 1984. Location not specified.
- 1692 Abbott Laboratories (AARC 8401-D). 1984 formulation of ARSEF 252. Acc'd 5 Nov 1984. Location not specified.
- 1704 L Allee (84-1). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1705 L Allee (84-3). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1706 L Allee (84-4). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1707 L Allee (84-5). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Aug 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1708 L Allee (84-7). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1709 L Allee (84-8). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

- 1710 L Allee (84-9). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1711 L Allee (84-10). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1712 L Allee (84-11). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1713 L Allee (84-12). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1721 L Allee (84-13). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 17 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1722 L Allee (84-19). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 31 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1723 L Allee (84-20). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 31 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1747 Abbott Laboratories (124). 1984 formulation of ARSEF 252. Acc'd 6 Dec 1984. Location not specified.
- 1748 Abbott Laboratories (Bb029-13, "3 of 4"). 1983 formulation of ARSEF 252. Acc'd 6 Dec 1984. Location not specified.
- 1749 L Allee (84-16). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 17 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1750 L Allee (84-18). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 31 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1775 L Allee (84-22). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1776 L Allee (84-23). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1777 L Allee (84-24). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: insecticide-treated plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1778 L Allee (84-25). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1779 L Allee (84-26). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1780 L Allee (84-27). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1781 L Allee (84-28). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1782 Abbott Laboratories (102A). 1984 formulation of ARSEF 252. Acc'd 11 Jan 1985. Location not specified.
- 1783 Abbott Laboratories (104, 106). 1984 formulation of ARSEF 252. Acc'd 11 Jan 1985. Location not specified.
- 1788 TJ Poprawski (0147). Larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. Acc'd 22 Jan 1985. Spain.
- 1789 TJ Poprawski (0148A). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Saint-Laurent, Vosges.
- 1790 TJ Poprawski (0148B). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Saint-Laurent, Vosges.
- 1791 TJ Poprawski (0149). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Saint-Laurent, Vosges.
- 1792 TJ Poprawski (0150A). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Fiancey.
- 1793 TJ Poprawski (0150B). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Fiancey.
- 1794 TJ Poprawski (0150C). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Fiancey.
- 1795 TJ Poprawski (0151). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Marsanne, Drôme.
- 1796 TJ Poprawski (0152A). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Choisy-en-Brie, Haute-Savoie.
- 1797 TJ Poprawski (0152B). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Choisy-en-Brie, Haute-Savoie.
- 1798 TJ Poprawski (0152C). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Choisy-en-Brie, Haute-Savoie.

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- 2864 MG Feng (DN8804). *Diuraphis noxia* [Homoptera: Aphididae] on spring wheat. 19 Jul 1988. USA: Parma, Idaho.
- 2869 J Peña ← J Fortier. *Bephratelloides cubensis* [Hymenoptera: Encyrtidae]. 7 Jul 1989. USA: Homestead, Florida.
- 2879 MG Feng (DN8805). *Diuraphis noxia* [Homoptera: Aphididae] on late spring barley. 27 Jul 1988. USA: Parma, Idaho.
- 2880 MG Feng (SG8701). *Schizaphis graminum* [Homoptera: Aphididae] on spring wheat. 17 Jul 1987. USA: Parma, Idaho.
- 2881 MG Feng (SG8801). *Schizaphis graminum* [Homoptera: Aphididae] on late spring barley. 28 Jul 1988. USA: Parma, Idaho.
- 2882 MG Feng (DN8806). *Diuraphis noxia* [Homoptera: Aphididae] on spring wheat. 19 Jul 1988. USA: Parma, Idaho.
- 2883 [ARSEF 2336] MG Feng (SGBB8601). *Schizaphis graminum* [Homoptera: Aphididae] on winter wheat. Jun 1986. USA: Parma, Idaho.
- 2938 [CP 270] SP Wraight ← R da Silva Carvalho. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2942 [CP 274] SP Wraight ← MGA de Lima. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 28 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2943 [CP 275] SP Wraight ← SM dos Santos and DR Sosa-Gómez. [Hymenoptera: Vespidae]. 8 Dec 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2944 [CP 276] SP Wraight ← LG Leite. [Hymenoptera: Vespidae]. 16 Dec 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2945 [CP 290] SP Wraight ← SB Alves. *Anthonomus grandis* [Coleoptera: Curculionidae]. 1988. Brazil: Piracicaba, São Paulo.
- 2946 [CP 281] SP Wraight ← SB Alves. *Anthonomus grandis* [Coleoptera: Curculionidae]. 1988. Brazil: Piracicaba, São Paulo.
- 2953 [UAF 189] DC Steinkraus. Adult, *Musca domestica* [Diptera: Muscidae]. 21 Jul 1989. USA: dairy farm, Cayuga County, New York.
- 2957 CENARGEN (CG 145). Rec'd 14 Mar 1990. Brazil: Manaus, Amazonas.
- 2961 CENARGEN (CG 165). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.
- 2962 CENARGEN (CG 166). Egg, *Schirius* sp. [Lepidoptera: Saturniidae]. Rec'd 14 Mar 1990. Brazil: Curitiba, Paraná.

- 2972 K Ostrovska. *Phlebotomus papatasi* [Diptera: Psychodidae]. Rec'd 1 Oct 1991. United Kingdom: laboratory colony, London School for Tropical Medicine & Hygiene, London, England.
- 2976 DM Schmidt. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. 14 Mar 1990. USA: Centre County, Pennsylvania.
- 2983 T Searle (CW1). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.
- 2984 T Searle (CW2). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.
- 2985 T Searle (CW3). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1989. Canada: Saint-Jean, Québec.
- 2986 T Searle (CW4). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1989. Canada: Saint-Jean, Québec.
- 2987 T Searle (LD1). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2988 T Searle (LD2). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2989 T Searle (LD3). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2990 T Searle (LD4). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2991 T Searle (LD5). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 3018 CENARGEN (CG 68). *Forficula auricularia* [Dermoptera: Forficulidae]. Apr 1988. Brazil: Brasília, Distrito Federal.
- 3019 CENARGEN (CG 69). *Deois flavopicta* [Homoptera: Cercopidae]. Apr 1988. Brazil: Brasília, Distrito Federal.
- 3020 CENARGEN (CG 86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 20 Jul 1990. Brazil: Pernambuco.
- 3037 W Mechaber (weevil#2354). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Gaylussacia baccata*. 20 May 1990. USA: Carver, Massachusetts.
- 3040 WE Jones (SHB). [Coleoptera: Scolytidae] inside macadamia nut kernel. May 1990. USA: Kona, Island of Hawaii, Hawaii.
- 3041 WE Jones (499v2). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Rec'd 7 Aug 1990. Canada: Toronto, Ontario.
- 3055 [MAF F6] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island. Presumptive ID; no conidia or raches seen.
- 3063 [MAF F13] T Glare. *Sitona* sp. [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3065 [MAF F28] T Glare. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3066 [MAF F29] T Glare. *Paropsis charybdis* [Coleoptera: Chrysomelidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3070 [MAF F33] T Glare. *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: Christchurch, South Island.
- 3086 J Peña ← H Glenn. *Leptoglossus fulvicornis* [Hemiptera: Coreidae] on holly. 7 Sep 1990. USA: Homestead, Florida.
- 3097 Fermone Corporation (FCI-7744). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 18 Oct 1990. USA: Rio Grande Valley, Texas. **RESTRICTED ACCESS:** contact Curator.
- 3098 L Loch ← G Albuquerque. *Oryzophagus oryzae* [Coleoptera: Curculionidae] on rice. Rec'd 29 Oct 1990. Brazil: Pôrto Alegre, Rio Grande do Sul.
- 3111 DW Watson (P 89) ← L Meinke. *Diabrotica virgifera* [Coleoptera: Chrysomelidae]. 13 Sep 1990. USA: Mead, Nebraska.
- 3112 JK Cawthra and CJ Geden (P 89). [Coleoptera: Staphylinidae] originally from beef feed lot. 10 Sep 1990. USA: laboratory colony, Lincoln, Nebraska.
- 3113 [CIRI Anderson Isolate] LC Lewis. Soil isolate passed through *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Apr 1990. Laboratory manipulation: Iowa State Univ. Research Farm.
- 3120 G Mercadier and TJ Poprawski (8851). [Homoptera: Aphididae] on *Senecio* sp. 10 Jun 1988. France: Béhoust, Yvelines.
- 3121 G Mercadier and TJ Poprawski (8852). [Homoptera: Aphididae] on *Urtica* sp. 10 Jun 1988. France: Garancières, Yvelines.
- 3153 G Mercadier and TJ Poprawski (8809A). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.
- 3154 G Mercadier and TJ Poprawski (8809B). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.
- 3155 G Mercadier and TJ Poprawski (8809C). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Akyurt, Ankara.
- 3156 G Mercadier and TJ Poprawski (8809D). *Diuraphis noxia* [Homoptera: Aphididae] on barley. Jun 1988. Turkey: Akyurt, Ankara.
- 3157 G Mercadier and TJ Poprawski (8809E). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Güdüll, Ankara.
- 3158 G Mercadier and TJ Poprawski (8809G). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 13 Jun 1988. Turkey: Karasar, Ankara.

- 3166 G Mercadier and TJ Poprawski (8835A). *Diuraphis noxia* [Homoptera: Aphididae] on barley. Jun 1988. Turkey: Beypazarı, Ankara.
- 3167 G Mercadier and TJ Poprawski (8835B). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 13 Jun 1988. Turkey: Ayas, Ankara.
- 3168 G Mercadier and TJ Poprawski (8835C). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 12 Jun 1988. Turkey: Sirkeli, Ankara.
- 3169 G Mercadier and TJ Poprawski (8835D). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 13 Jun 1988. Turkey: Urus.
- 3181 GW Riethmacher (B37a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 12 Mar 1990. Philippines: Plaridel, Quezon.
- 3197 GW Riethmacher (Bet1). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3198 GW Riethmacher (Bet2). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3199 GW Riethmacher (Bet3). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3215 G Mercadier and TJ Poprawski (8854 (second form)). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 27 Nov 1990. Laboratory manipulation. Reisolate of ARSEF 3122.
- 3219 [CP 478(479?)] DW Roberts ← JM Gomes. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Rec'd 8 Feb 1991. Brazil.
- 3285 J Gutierrez Samperio (1) ← ERD Reyes. *Atta* sp. [Hymenoptera: Formicidae]. 1987. Mexico: Monterrey, Nuevo León.
- 3286 J Gutierrez Samperio (2) ← ERD Reyes. *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 1987. France: Montpellier, Hérault.
- 3287 J Gutierrez Samperio (3) ← ERD Reyes. *Diabrotica* sp. [Coleoptera: Chrysomelidae] on corn. 1988. Mexico: Colima.
- 3288 J Gutierrez Samperio (4) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3309 J Gutierrez Samperio (25) ← ERD Reyes. *Diabrotica balteata* [Coleoptera: Chrysomelidae] on corn. 1990. Mexico: Colima.
- 3310 J Gutierrez Samperio (26) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Comala, Colima.
- 3311 J Gutierrez Samperio (27) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.
- 3312 J Gutierrez Samperio (28) ← ERD Reyes. [Homoptera: Membracidae] on sugar cane. 1990. Mexico: Cuauhtémoc, Colima.
- 3385 I Majchrowicz (25-a). *Myzus persicae* [Homoptera: Aphididae] on potato. 11 Jul 1991. USA: Orchard Farm, Yakima, Washington.
- 3386 I Majchrowicz (23). [Coleoptera: Carabidae] nr. potato plants. 3 Jul 1991. USA: garden nr. USDA laboratory, Yakima, Washington.
- 3403 MS Goettel. *Ceutorhynchus litura* [Coleoptera: Curculionidae]. Rec'd 6 Mar 1992. Location not specified.
- 3404 AE Hajek (24). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: C & O Canal, Allegany County, Maryland.
- 3437 [CATIE 1] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Rec'd 28 Oct 1991. Costa Rica: Turrialba, Cartago.
- 3438 [CATIE 2] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3439 [CATIE 3] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3440 [CATIE 4] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3441 [CATIE 5] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3442 [CATIE 6] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3443 [CATIE 7] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3444 [CATIE 8] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3445 [CATIE 9] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3446 [CATIE 10] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3447 [CATIE 11] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3448 [CATIE 12] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3449 [CATIE 13] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3450 [CATIE 14] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3451 [CATIE 15] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.

- 3452 [CATIE 16] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3453 [CATIE 17] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3454 [CATIE 18] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3455 [CATIE 19] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3456 [CATIE 20] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3457 [CATIE 21] TG Zoebisch. [Coleoptera: Languriidae] on *Macadamia integrifolia*. Sep 1991. Costa Rica: Turrialba, Cartago.
- 3460 SV Krueger (540). Soil. Jun 1991. USA: Smith Forest, Trumansburg, New York.
- 3462 MS Goettel (MISI). Soil. 12 Jul 1991. Canada: nr. Magrath, Alberta.
- 3477 CENARGEN (CG 187). Soil. 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3513 I Quintela (VL5). Rec'd 13 Dec 1991. Location not specified.
- 3514 I Quintela (VL6). Rec'd 13 Dec 1991. Colombia.
- 3515 I Quintela (VL7). Rec'd 13 Dec 1991. Location not specified.
- 3516 I Quintela. Rec'd 13 Dec 1991. Location not specified.
- 3527 AE Hajek (58a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: nr. Ruckersville, Greene County, Virginia.
- 3528 AE Hajek (61c). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1991. USA: Belle Acre, Allegheny County, Pennsylvania.
- 3530 AE Hajek (220b). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: nr. Picnic Run, Allegany County, Maryland.
- 3534 SM DeFazio and PD McKown (C-7). *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1991. Location not specified.
- 3543 M Brownbridge (B-33). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3607 IMI (I91-612). *Anacridium aegyptium*. Rec'd 26 Feb 1992. Greece: Crete.
- 3620 IMI (Mycotech). *Melanoplus* sp. [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. USA. **RESTRICTED ACCESS:** contact Curator.
- 3622 IMI (331275). [Orthoptera]. Rec'd 26 Feb 1992. USA.
- 3667 AE Hajek (BFMS). [Coleoptera: Curculionidae]. Apr 1991. USA: New York.
- 3681 LS Osborne. Organic Naturalis. Rec'd Apr 1992. Location not specified.
- 3716 RA LeBrun ← J Hanula (C-2). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1992. Location not specified.
- 3717 RA LeBrun ← J Hanula (C-3). *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.
- 3734 SB Alves (447). Rec'd 12 Jun 1992. Location not specified.
- 3769 DC Steinkraus. *Lygus lineolaris* [Hemiptera: Miridae]. 12 Jun 1992. USA: Little River County, Arkansas.
- 3818 ERD Reyes (BbCO1). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] coffee. 9 Oct 1992. Mexico: Oaxaca.
- 3819 ERD Reyes (BbCO2). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on coffee. 9 Oct 1992. Mexico: Oaxaca.
- 3825 S Walsh (3762T5) ← ARSEF (3762). Rec'd 19 Feb 1993. Laboratory manipulation.
- 3858 [JB Tavares BRA-000035] MS Tigano-Milani (CG-86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 13 Jan 1993. Brazil.
- 3866 LA Lacey (92214). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.
- 3867 LA Lacey (92178) ← A Farias. *Diuraphis noxia* [Homoptera: Aphididae]. 28 Jul 1992. France: Montpellier, Hérault.
- 3890 [ARSEF 3385] N Underwood (U3385). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3891 [ARSEF 3166] N Underwood (3166). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3892 N Underwood (2457). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3897 LA Lacey (92219). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Iráklion, Crete.
- 3905 [ARSEF 2882] N Underwood (U2882). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3906 [ARSEF 1555] N Underwood (U1555). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3907 [ARSEF 2320] N Underwood (U2320). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3908 [ARSEF 3908] N Underwood (U3908). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3927 DR Sosa-Gómez (CNPSo-Bb46). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.

- 3934 DR Sosa-Gómez (CNPSo-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.
- 3937 DR Sosa-Gómez (CNPSo-P23). [Lepidoptera: Noctuidae: Plusiinae]. 19 Jan 1990. Brazil: Londrina, Paraná.
- 3965 LA Lacey (93002) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3966 LA Lacey (93003) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3967 LA Lacey (93004) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3968 LA Lacey (93005) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3969 LA Lacey (93006) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3970 LA Lacey (93007) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3972 LA Lacey (93009) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3973 LA Lacey (93010) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3974 LA Lacey (93011) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3975 LA Lacey (93012) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3977 LA Lacey (93014) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3978 LA Lacey (93015) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3979 LA Lacey (93016) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3995 LA Lacey (93032) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3996 LA Lacey (93033) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3999 LA Lacey (93036) ← Hermes. [Homoptera: Membracidae]. 4 Apr 1993. Brazil: Bahia.
- 4001 [A Mesquita ] LA Lacey (93038). *Crimissa cruralis* [Coleoptera: Chrysomelidae]. 3 May 1993. Brazil: Pacajus, Ceará.
- 4012 T Steenberg (194) ← M Steen. *Delia radicum* [Diptera: Anthomyiidae]. Jul 1989. Denmark: Insect Rearing Unit, Zealand.
- 4013 T Steenberg (195) ← A Kirkeby-Thomse. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1993. Denmark: Copenhagen, Tåstrup, Zealand.
- 4014 T Steenberg (195-S) ← A Kirkeby-Thomse. Sep 1989. Laboratory manipulation: Single spore isolate of ARSEF 4013.
- 4015 T Steenberg (196) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1989. Denmark: Falster, Storstrøm.
- 4016 T Steenberg (201) ← V Langer. *Sitona lineatus* [Coleoptera: Curculionidae] on white clover. Mar 1990. Denmark: Ringsted, Zealand.
- 4017 T Steenberg (201-S) ← V Langer. Mar 1990. Laboratory manipulation: Single spore isolate of ARSEF 4016.
- 4018 T Steenberg (202) ← J Eilenberg. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Mar 1990. Denmark: Jægerspris, Zealand.
- 4019 T Steenberg (205) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Mar 1990. Denmark.
- 4021 T Steenberg (212) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae] on pea. Jul 1990. Denmark: Pajbjerg, Jutland.
- 4023 T Steenberg (217). *Apion* sp. [Coleoptera: Curculionidae] on alfalfa. Oct 1990. Denmark: Copenhagen, Tåstrup, Zealand.
- 4026 T Steenberg (228). Phylum Arthropoda, Class Insecta soil. Nov 1990. Denmark: Næstved, Zealand.
- 4028 T Steenberg (233) ← CW Riedel. *Tachyporus* sp. [Coleoptera: Staphylinidae]. Jan 1991. Denmark: Svanholm, Zealand.
- 4030 Acc'd 8 Dec 1993.
- 4031 T Steenberg (237) ← CW Riedel. *Amara plebeja* [Coleoptera: Carabidae]. Jan 1991. Denmark: Foulum, Jutland.
- 4032 T Steenberg (238) ← CW Riedel. *Bembidion lampros* [Coleoptera: Carabidae]. Jan 1991. Denmark: Svanholm, Zealand.
- 4034 T Steenberg (240). *Amara familiaris* [Coleoptera: Carabidae]. Mar 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4035 T Steenberg (244) ← A Kirkeby-Thomse. [Heteroptera: Miridae] Alfalfa. Sep 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4038 T Steenberg (253). *Hypera postica* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4041 T Steenberg (261). *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.

- 4046 T Steenberg (276) ← V Langer. *Anotylus* sp. [Coleoptera: Staphylinidae]. Nov 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4049 T Steenberg (298). *Hypera postica* [Coleoptera: Curculionidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4051 T Steenberg (349). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Nov 1992. Denmark: Brenderup, Fyn.
- 4052 T Steenberg (355). [Coleoptera: Curculionidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4053 T Steenberg (356). *Lygus* sp. [Heteroptera: Miridae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4054 T Steenberg (359). *Gyrohypnus angustatus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4055 T Steenberg (362). [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.
- 4056 T Steenberg (365). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.
- 4057 T Steenberg (426). [Heteroptera]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4091 LA Lacey (94001). *Tibraca limbaticentres* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4092 LA Lacey (94002). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4093 LA Lacey (94003). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4099 [ARSEF 2879] J McManus (DnBb2g4p.ss1). *Diuraphis noxia* [Homoptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.
- 4100 [ARSEF 2879] J McManus (DnBb2g4p.ss2). *Diuraphis noxia* [Homoptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.
- 4101 [ARSEF 2879] J McManus (DnBb2g4p.ss3). *Diuraphis noxia* [Homoptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.
- 4106 JD Vandenberg (DnBb2i3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4107 JD Vandenberg (DnBb2h2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4108 JD Vandenberg (DnBb2g2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4109 JD Vandenberg (DnBb2d2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4110 JD Vandenberg (DnBb2b2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4111 JD Vandenberg (DnBb2e2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4112 JD Vandenberg (DnBb2f2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4113 JD Vandenberg (DnBb1a3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4114 JD Vandenberg (DnBb1b3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4115 JD Vandenberg (DnBb1c3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4116 JD Vandenberg (DnBb1d3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4117 JD Vandenberg (DnBb1e3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4118 JD Vandenberg (DnBb1f3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4119 JD Vandenberg (DnBb1g3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4120 JD Vandenberg (DnBb1h4p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4121 JD Vandenberg (DnBb1j4p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4130 [DAT 7; RJ Milner Fl1] AC Rath (F007). *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 12 Jul 1979. Australia: Guyra, New South Wales.
- 4135 [DAT 15] AC Rath (F015). Larva, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.

- 4136 [DAT 17] AC Rath (F017). Larva, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.
- 4150 [DAT 144] AC Rath (F144). Nymph, *Phaulacridium vittatum* [Orthoptera: Acrididae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4200 LA Lacey (94013) ← La Casa. Larva, *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 28 Feb 1993. Spain: Murcia.
- 4222 [DAT 224] AC Rath (F224) ← H Yip (HY137). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4240 [DAT 309] AC Rath (F309) ← H Yip (HY50). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4258 [DAT 49] AC Rath (F049). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 6 Nov 1987. Australia: Sorell, Tasmania.
- 4261 [DAT 251] AC Rath (F251) ← H Yip (HT109). Soil. 8 Jun 1988. Australia: Forcett, Tasmania.
- 4271 [DAT 232] AC Rath (F232) ← H Yip (HY129). Soil. 18 Jul 1988. Australia: Elverton, Blessington, Tasmania.
- 4273 [DAT 9] AC Rath (F009) ← Pinnock. Larva, *Oncopera* sp. [Lepidoptera: Hepialidae]. 1983. Australia: South Australia.
- 4274 [DAT 143] AC Rath (F143). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4276 [DAT 99] AC Rath (F099) ← H Yip. Soil. 7 Jan 1988. Australia: Weld Pass, Tasmania.
- 4285 [DAT 199] AC Rath (F199) ← H Yip (HY162). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4289 [DAT 500] AC Rath (F500). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.
- 4297 [DAT 85] AC Rath (F085) ← H Yip. Soil. Rec'd 6 Jun 1994. Australia: Mt. Wellington, Hobart, Tasmania.
- 4300 [DAT 276] AC Rath (F276) ← H Yip (HY84). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4301 [DAT 328] AC Rath (F328) ← H Yip (HY30). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4305 [DAT 327] AC Rath (F327) ← H Yip (HY31). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4320 [DAT 334] AC Rath (F334) ← H Yip (HY25). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.
- 4326 [DAT 288] AC Rath (F288) ← H Yip (HY72). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4353 [DAT 335] AC Rath (F335) ← H Yip (HY24). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.
- 4356 [DAT 243] AC Rath (F243) ← H Yip (HY118). Soil. Rec'd 6 Jun 1994. Australia: Latrobe, Tasmania.
- 4377 LA Lacey (94106). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4378 LA Lacey (94107). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4379 LA Lacey (94108). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4382 LA Lacey (94140) ← CAAS (93.1). [Coleoptera]. 7 May 1994. Location not specified.
- 4462 J McManus (DnBb203PSS#1). *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4463 J McManus (DnBb203PSS#2). *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4464 J McManus (DnBb203PSS#3). *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4523 JD Vandenberg (APH3). [Homoptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4524 JD Vandenberg (APH6). [Homoptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4525 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] on broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4526 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4527 JD Vandenberg (DBM2a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4528 JD Vandenberg (DBM2b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4529 JD Vandenberg (DBM3a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4530 JD Vandenberg (DBM3b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4531 JD Vandenberg (DBM4a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4532 JD Vandenberg (DBM4b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4533 JD Vandenberg (DBM5a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4534 JD Vandenberg (DBM5b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

- 4535 JD Vandenberg (DBM6a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4536 JD Vandenberg (DBM6b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4537 JD Vandenberg (DBM8a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4538 JD Vandenberg (DBM8b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4539 JD Vandenberg (DBM10b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4540 J Altre (BB5B#1). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.
- 4543 J Altre (BB5B#4). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.
- 4564 [DAT 307] AC Rath (F307) ← H Yip (HY52). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4571 [DAT 336] AC Rath (F336) ← H Yip (HY23). Soil. 6 Jan 1988. Australia: Silver Falls, Hobart, Tasmania.
- 4583 [DAT 305] AC Rath (F305) ← H Yip (HY54). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4589 [DAT 42] AC Rath (F42) ← RJ Milner (Fl25). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.
- 4607 [DAT 41] AC Rath (F041) ← RJ Milner (Fl17). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 6 Dec 1976. Australia: Ebor, New South Wales.
- 4611 [DAT 90] AC Rath (F090). Soil. 28 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4612 [DAT 95] AC Rath (F095). Soil. 6 Jan 1988. Australia: Mt. Wellington, Hobart, Tasmania.
- 4616 [DAT 84] AC Rath (F084). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4644 [DAT 329] AC Rath (F329) ← H Yip (HY29). Soil. 7 Jan 1988. Australia: Welborough, Tasmania.
- 4658 [DAT 102] AC Rath (F102). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4670 [DAT 219] AC Rath (F219) ← H Yip (HY142). Soil. 23 Aug 1988. Australia: Edith Creek, Tasmania.
- 4672 [DAT 48] AC Rath (F048). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 30 Sep 1987. Australia: Plenty, Tasmania.
- 4685 [DAT 115] AC Rath (F115). Soil. 14 Jan 1988. Australia: Lockfaine Benham, Avoca, Tasmania.
- 4688 KT Hodge (kth24). [Odonata: suborder Anisoptera]. 31 Aug 1994. USA: Cornell University wildflower garden, Ithaca, New York.
- 4691 J McManus (DnBb30.252.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. Manipulation., Ithaca, New York. Reisolate of ARSEF 252. Passed through RWA.
- 4692 J McManus (DnBb30.320.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 320 passed through RWA.
- 4693 J McManus (DnBb30 and 708.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 708 passed through RWA.
- 4694 J McManus (DnBb25 and 2882.3Pss#1). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2882 passed through RWA.
- 4695 J McManus (DnBb30 and 2883.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2883 passed through RWA.
- 4696 J McManus (DnBb30 and 3385.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 3385 passed through RWA.
- 4697 J McManus (DnBb25 and F-1.3Pss#1). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. An isolate from grasshoppers named F-2 was passed through and reisolated from RWA during a screening assay.
- 4721 [DAT 140] AC Rath (F140). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Spring 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4741 [DAT 330] AC Rath (F330) ← H Yip (HY28). Soil. 1 Jun 1988. Australia: St Mary's, Tasmania.
- 4744 [DAT 346] AC Rath (F346) ← H Yip (HY13). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4745 [DAT 347] AC Rath (F347) ← H Yip (HY11). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4798 J Brito (7A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.
- 4799 J Brito (14A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.
- 4866 BL Parker (AVRDC-0511B). Soil. 10 Nov 1994. Republic of China: AVRDC Field #92, Taiwan.

- 4973 J McManus (HcBbV64 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. Rec'd 30 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4974 J McManus (HcBbF66.1 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4975 J McManus (HcBbF66.2 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4976 J McManus (DnBbV64.1 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4977 J McManus (DnBbV64.2 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4978 J McManus (DnBbV64.3 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4979 J McManus (DnBbV64.4 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4981 LA Lacey (95036) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4982 LA Lacey (95037) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4983 LA Lacey (95038) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4984 LA Lacey (95039) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 5064 LA Lacey (95056). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5066 LA Lacey (95058). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5067 LA Lacey (95059). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5069 LA Lacey (95060). [Hymenoptera: Formicidae]. 12 Oct 1995. France: Port d' Hérault.
- 5070 LA Lacey (95062). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodéve, Hérault.
- 5071 LA Lacey (95063). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodéve, Hérault.
- 5072 LA Lacey (95064). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.
- 5148 DL Hostetter (T090). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.
- 5150 DL Hostetter (T103). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.
- 5169 S Gouli (GA-81). [Lepidoptera: Tortricidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5170 S Gouli (GA-82). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5171 S Gouli (GA-83). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5172 S Gouli (GA-84). [Araneida: Araneae]. 29 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5173 S Gouli (GA-85). [Araneida: Araneae]. 24 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5195 RA LeBrun. Larva, *Lilioceris lili* [Coleoptera: Chrysomelidae]. Rec'd 20 May 1996. URI.
- 5229 LA Lacey (96007). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5230 LA Lacey (96008). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5231 LA Lacey (96009). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5233 LA Lacey (96011). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5234 LA Lacey (96012). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5235 LA Lacey (96013). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5273 SARL (33) ← SP Wraight (SARL 33) ← APHIS (WFP-361) and LA Lacey (92221). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.
- 5274 SARL (41) ← SP Wraight (Lacey 92221-Bt1) ← L Lacey (92221-Bt1) and SARL (33). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5275 SARL (106) ← SP Wraight (252-Bt-1; SPW-42) ← ARSEF (252). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5276 SARL (107) ← SP Wraight (252 Bt-2; SPW-43) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.

- 5277 SARL (108) ← SP Wraight (252-Bt-3; SPW-44) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5278 SARL (110) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5279 SARL (111) ← SP Wraight (252-Bt-3) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5280 SARL (112) ← SP Wraight (252-BT-4) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5281 SARL (122) ← SP Wraight (252-Bt-5) ← ARSEF (252) ← SARL (22). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5282 SARL (123) ← SP Wraight (252-Bt-6) ← SARL (22) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Apr 1993. Location not specified: Laboratory manipulation.
- 5283 SARL (133) ← SARL (133) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.
- 5284 SARL (134) ← SP Wraight (252-BT-2) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.
- 5285 SARL (144) ← SP Wraight (252-Bt-x3) ← ARSEF (252). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5286 SARL (155) ← TJ Poprawski ← ARSEF (252). *Lepitinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 9 Aug 1996. Location not specified.
- 5287 SARL (160) ← RI Carruthers, JC Legaspi and TJ Poprawski (9436). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5288 SARL (161) ← RI Carruthers, JC Legaspi and TJ Poprawski (9446). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5289 SARL (162) ← RI Carruthers, JC Legaspi and TJ Poprawski (9432). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5290 SARL (163) ← RI Carruthers, JC Legaspi and TJ Poprawski (9474). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5291 SARL (164) ← RI Carruthers, JC Legaspi and TJ Poprawski (9499). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5292 SARL (165) ← RI Carruthers, JC Legaspi and TJ Poprawski (9494). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5293 SARL (166) ← RI Carruthers, JC Legaspi and TJ Poprawski (9485). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5294 SARL (167) ← RI Carruthers, JC Legaspi and TJ Poprawski (9480). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5295 SARL (168) ← RI Carruthers, JC Legaspi and TJ Poprawski (9429). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5296 SARL (169) ← RI Carruthers, JC Legaspi and TJ Poprawski (9423). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5339 DW Watson (P 89) ← CJ Geden (P 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Powell Farm, Seneca County, New York.
- 5340 DW Watson (L 89) ← CJ Geden (L 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Lockwood Farm, Cayuga County, New York.
- 5341 DW Watson (W 89) ← CJ Geden (W 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Wood Farm, Schuyler County, New York.
- 5342 DW Watson (B 90) ← CJ Geden (B 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Bishop Farm, Cayuga County, New York.
- 5343 DW Watson (D 90) ← CJ Geden (D 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Dann Farm, Tompkins County, New York.
- 5344 DW Watson (H 90) ← CJ Geden (H 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Howland Farm, Tioga County, New York.
- 5345 DW Watson (L 90) ← CJ Geden (L 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Lockwood Farm, Cayuga County, New York.
- 5346 DW Watson (Pow 90) ← CJ Geden (Pow 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Power Farm, Cortland County, New York.
- 5347 DW Watson (W 90) ← CJ Geden (W 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Wood Farm, Schuyler County, New York.
- 5370 I Klingen (NCRI 2-96 (B2)). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] Soil sample (loam). 10 May 1996. Norway: Border vegetation of cereal field, Bjørnebekk (59.43° N), Ås, Akershus.
- RESTRICTED ACCESS:** contact Curator.

- 5436 TJ Poprawski (TJP901) ← G Mercadier (EBCL 97001). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5437 TJ Poprawski (TJP902) ← G Mercadier (EBCL 97002). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5438 TJ Poprawski (TJP903) ← G Mercadier (EBCL 97003). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5439 TJ Poprawski (TJP904) ← G Mercadier (EBCL 97004). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5440 TJ Poprawski (TJP905) ← G Mercadier (EBCL 97005). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5441 TJ Poprawski (TJP906) ← G Mercadier (EBCL 97027). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5442 TJ Poprawski (TJP907) ← G Mercadier (EBCL 97028). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5443 TJ Poprawski (TJP908) ← G Mercadier (EBCL 97016). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5444 TJ Poprawski (TJP909) ← G Mercadier (EBCL 97017). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5445 TJ Poprawski (TJP910) ← G Mercadier (EBCL 97018). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5446 TJ Poprawski (TJP911) ← G Mercadier (EBCL 97019). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5447 TJ Poprawski (TJP912) ← G Mercadier (EBCL 97020). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5448 TJ Poprawski (TJP913) ← G Mercadier (EBCL 97021). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5449 TJ Poprawski (TJP914) ← G Mercadier (EBCL 97022). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5450 TJ Poprawski (TJP915) ← G Mercadier (EBCL 97023). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5451 TJ Poprawski (TJP916) ← G Mercadier (EBCL 97024). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5452 TJ Poprawski (TJP917) ← G Mercadier (EBCL 97025). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5453 TJ Poprawski (TJP918) ← G Mercadier (EBCL 97026). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5454 TJ Poprawski (TJP919) ← G Mercadier (EBCL 97011). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5455 TJ Poprawski (TJP920) ← G Mercadier (EBCL 97012). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5456 TJ Poprawski (TJP921) ← G Mercadier (EBCL 97013). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5457 TJ Poprawski (TJP922) ← G Mercadier (EBCL 97014). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5458 TJ Poprawski (TJP923) ← G Mercadier (EBCL 97015). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5459 TJ Poprawski (TJP924) ← G Mercadier (EBCL 97029). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5460 TJ Poprawski (TJP925) ← G Mercadier (EBCL 97030). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5465 TJ Poprawski (TJP930). Overwintering adult, *Galerucella sp.* [Coleoptera: Chrysomelidae]. Rec'd 9 May 1997. USA: USDA-APHIS-PPQ Biocontrol Laboratory, Mission, Texas.
- 5466 TJ Poprawski (TJP931). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 10 cm deep., Larimore, North Dakota.
- 5467 TJ Poprawski (TJP932). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 20 cm deep., Larimore, North Dakota.
- 5477 G Mercadier (EBCL 97006). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5478 G Mercadier (EBCL 97007). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5479 G Mercadier (EBCL 97008). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5480 G Mercadier (EBCL 97009). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5481 G Mercadier (EBCL 97010). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5482 G Mercadier (EBCL 97032). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5483 G Mercadier (EBCL 97033). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.

- 5484 G Mercadier (EBCL 97034). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.6, Toumbokri.
- 5485 G Mercadier (EBCL 97036). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5486 G Mercadier (EBCL 97037). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5487 G Mercadier (EBCL 97038). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5488 G Mercadier (EBCL 97039). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5489 G Mercadier (EBCL 97040). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5490 G Mercadier (EBCL 97041). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5492 M Brownbridge (MLC8). *Paraclemensia acerifoliella* [Lepidoptera: Incurvariidae]. Rec'd 16 May 1997. USA: Randolph, Vermont.
- 5493 M Brownbridge (FREY2). *Aphis gossypii* [Homoptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.
- 5494 M Brownbridge (FREY3). *Aphis gossypii* [Homoptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.
- 5495 M Brownbridge (EW1). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.
- 5496 M Brownbridge (EW2). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.
- 5500 C López Lastra ← G Dalbello (#6). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. 1993. Argentina: Oliveros, Santa Fe.
- 5501 C López Lastra ← G Dalbello (#7). *Xanthogaleruca luteola* [Coleoptera: Chrysomelidae] on *Ulmus* sp. . 1994. Argentina: La Plata, Buenos Aires.
- 5502 C López Lastra ← G Dalbello (#8). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 12 Jun 1997. Argentina: Oliveros, Santa Fe.
- 5510 I Klingen (TØF 15.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Sep 1996. Norway: Steinkjer, Nord Trøndelag. **RESTRICTED ACCESS:** contact Curator.
- 5533 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5534 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5535 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5536 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5537 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5553 LK Rieske-Kinney. *Odontota dorsalis* [Coleoptera: Chrysomelidae]. Rec'd 14 Oct 1997.
- 5557 I Klingen (STF 14.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 27 Sep 1996. Norway: Harstad, Troms. **RESTRICTED ACCESS:** contact Curator.
- 5573 N Mihelcic. *Rhyacionia frustrana* [Lepidoptera: Tortricidae]. Rec'd 17 Nov 1997. USA: loblolly pine plantation, Clarke County, Georgia.
- 5623 I Vänninen (SF86-9). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 28 Aug 1986. Finland: Närpiö, Vaasan Lääni.
- 5629 ST Jaronski (ER13). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5630 ST Jaronski (ER14). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5631 ST Jaronski (ER15). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5632 ST Jaronski (ER28). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5633 ST Jaronski (ER36). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5634 ST Jaronski (ER37). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5635 ST Jaronski (ER47). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5636 ST Jaronski (ER50). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5637 ST Jaronski (ER54). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5638 ST Jaronski (ER61). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

- 5639 ST Jaronski (ER65). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5640 ST Jaronski (ER68). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5641 ST Jaronski (ER70). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5642 ST Jaronski (ER82). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5643 ST Jaronski (ER86). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5645 [IITA 184] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 4 Sep 1996. Benin: IITA field, Cotonou, Atlantique.
- 5646 [IITA 185] A Cherry. *Coniesta sp.* [Lepidoptera: Pyralidae]. 12 Sep 1996. Benin: Monkassa, Malanville, Borgou.
- 5647 [IITA 279] A Cherry. *Acigona sp.* [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Massin, Malanville, Borgou.
- 5648 [IITA 295] A Cherry. *Acigona sp.* [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Bussokari, Malanville, Borgou.
- 5649 [IITA 313] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 19 Nov 1996. Benin: Soclogbo, Dassa.
- 5650 [IITA 478] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.
- 5651 [IITA 479] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.
- 5652 [IITA 480] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Benin: IITA field, Cotonou, Atlantique.
- 5653 [IITA 581] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae] from forest soil. 24 Oct 1997. Benin: Bassia-P.
- 5654 [IITA 583] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.
- 5655 [IITA 584] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.
- 5665 BL Parker (SPT-002). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.
- 5667 BL Parker (SPT-008). Soil. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.
- 5668 BL Parker (SPT-010). [Coleoptera]. 18 Jan 1998. Turkey: Hurbit Mountain, Hatay.
- 5669 BL Parker (SPT-018). [Coleoptera: Scarabaeidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5670 BL Parker (SPT-019). [Coleoptera: Elateridae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5671 BL Parker (SPT-021). Leaf litter. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5672 BL Parker (SPT-022). [Coleoptera: Adephaga]. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5673 BL Parker (SPT-023). Leaf litter. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5674 BL Parker (SPT-032). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5704 JL Hatting (2). *Bombyx mori* [Lepidoptera: Bombycidae]. Nov 1998. South Africa: Bethlehem, Orange Free State.
- 5705 JL Hatting (PPRI 6688). *Diuraphis noxia* [Homoptera: Aphididae] on *Triticum aestivum*. 4 Sep 1997. South Africa: Langgewens, Western Cape Province.
- 5724 L Erkiliç (Pazarcik/Karabiyikli-1). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 29 Mar 1998. Turkey: Pazarcik, Kahraman Maras.
- 5725 L Erkiliç (Hursit Dagi-1). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 31 Mar 1998. Turkey: Gaziantep, Gaziantep.
- 5737 ST Jaronski (SP14). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5738 ST Jaronski (SP16). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5740 MCHCA Bernal (BbGC1). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. Rec'd Jun 1998. Mexico: Colima.
- 5741 MCHCA Bernal (BbGC2). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.
- 5742 MCHCA Bernal (BbGC5). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.
- 5743 MCHCA Bernal (BbGC8). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.
- 5744 MCHCA Bernal (BbGC9). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.
- 5745 MCHCA Bernal (BbGC11). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. Oct 1996. Mexico: Cofradía de la luz, Jalisco.
- 5753 BL Parker (SPT 001). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.
- 5762 BL Parker (SPT 046). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.

- 5767 BL Parker (AT 036). *Adelges tsugae* [Homoptera: Adelgidae]. 9 May 1997. USA: Gillette Castle State Park, Connecticut.
- 5768 BL Parker (AT 050). *Adelges tsugae* [Homoptera: Adelgidae]. 9 May 1997. USA: Lovingston, Virginia.
- 5769 BL Parker (AT 052). *Adelges tsugae* [Homoptera: Adelgidae]. 9 May 1997. USA: Lovingston, Virginia.
- 5770 [ERL 101] S Gouli (AT-086) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 21 Sep 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5796 BL Parker (HWA 289/1). *Adelges tsugae* [Homoptera: Adelgidae]. 27 May 1997. USA: Forest Park, Massachusetts.
- 5807 B Broadbent (BB001). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, Agriculture and Agri-Food Canada. 22 Jul 1996. Canada: London, Ontario.
- 5808 B Broadbent (BB008). Adult, *Lygus lineolaris* [Hemiptera: Miridae] on *Medicago sativa*. 17 Jun 1998. USA: Ulster County, New York.
- 5813 LS Bauer. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 20 Aug 1998. USA: East Lansing, Michigan.
- 5836 T Steenberg (SSL 6). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from adult *Sitona lineatus* [Coleoptera: Curculionidae].
- 5838 T Steenberg (SSL 25). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from an unidentified mite [Arachnida: Acari].
- 5839 T Steenberg (SSL 27). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Tachyporus* spp. [Coleoptera: Staphylinidae].
- 5840 T Steenberg (SSL 28). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from unidentified curculionid beetle [Coleoptera: Curculionidae].
- 5843 T Steenberg (SSL 55). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated *Anonylus* spp. [Coleoptera: Staphylinidae].
- 5853 T Steenberg (SSL 448). *Sminthurus viridis* [Collembola: Sminthuridae] on white clover. Aug 1995. Denmark: Copenhagen, Tåstrup, Zealand.
- 5857 T Steenberg (SSL 608). Adult, *Ahasverus advena* [Coleoptera: Cucujidae: Silvaninae]. Feb 1997. Denmark: Broiler house, Hesselager, Funen.
- 5861 T Steenberg (SSL 627). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.
- 5862 T Steenberg (SSL 628). Adult, *Haematobia irritans* [Diptera: Muscidae]. Jul 1997. Denmark: Store Vildmose, Jutland.
- 5863 T Steenberg (SSL 631). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.
- 5864 T Steenberg (SSL 633). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Store Vildmose, Jutland.
- 5865 T Steenberg (SSL 634). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Jenslev, Hornsherred, Zealand.
- 5866 T Steenberg (SSL 638). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Jenslev, Hornsherred, Zealand.
- 5867 T Steenberg (SSL 641). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Ramløse, Zealand.
- 5886 FE Vega (EBCL 98029). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespien, Gard.
- 5887 FE Vega (EBCL 98031). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespien, Gard.
- 5888 FE Vega (EBCL 98032). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespien, Gard.
- 5956 JL Stimac (UF 434). *Solenopsis invicta* [Hymenoptera: Formicidae]. Feb 1986. Brazil: Mato Grosso.
- 5957 JL Stimac (UF 440). *Solenopsis invicta* [Hymenoptera: Formicidae]. Feb 1986. Brazil: Mato Grosso.
- 5958 JL Stimac (UF 485). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Feb 1987. Brazil: Piracicaba, São Paulo.
- 5960 JL Stimac (UF 555). *Solenopsis invicta* [Hymenoptera: Formicidae]. Jun 1987. Brazil: Mato Grosso.
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- 6055 BL Parker (SPT-U-250). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6056 BL Parker (SPT-U-251). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.
- 6057 BL Parker (SPT-U-253). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: SW of Sazagan, Sazagan.
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- 6060 BL Parker (SPT-U-259). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
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- 6072 BL Parker (SPT-U-291). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.
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- 6079 BL Parker (SPT-U-310). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6083 BL Parker (SPT-U-260). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
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- 6092 BL Parker (SPT-U-323). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6093 BL Parker (SPT-U-326). Adult, *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1999. Uzbekistan: Site c, SW of Samarkand, Mirankul region.
- 6095 BL Parker (SPT-U-335). Adult, [Coleoptera: Coccinellidae]. 17 Jan 1999. Uzbekistan: GPS coordinates - N 39°53.843', E 067°41.643'.
- 6096 BL Parker (SPT-U-338). Adult, [Coleoptera: Tenebrionidae]. Jan 1999. Uzbekistan: GPS coordinates - N 39°26.295', E 067°20.041'.

- 6099 BL Parker (SPT-U-354/2). Adult, [Coleoptera: Carabidae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6100 BJ Hicks (A). *Panolis flammea* [Lepidoptera: Noctuidae]. Rec'd Jan 1999. United Kingdom: Moray District, Scotland.
- 6101 BJ Hicks (B). *Panolis flammea* [Lepidoptera: Noctuidae]. Rec'd Jan 1999. United Kingdom: Moray District, Scotland.
- 6109 BL Parker (SPT-U-257). Pupa, [Lepidoptera]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6111 BL Parker (SPT-U-295). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6112 BL Parker (SPT-U-296). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6113 BL Parker (SPT-U-297). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6115 BL Parker (SPT-U-349). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.
- 6147 HK Kaya (2). Pupa, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Jan 1999. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.
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- 6149 BL Parker (SPT-3-372). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Feb 1999. Syria: Al Kseabiaa.
- 6150 SP Wraight (DBM 28° #2 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 28°C. **RESTRICTED ACCESS:** contact Curator.
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- 6152 SP Wraight (DBM 31° #1 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 31°C. **RESTRICTED ACCESS:** contact Curator.
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- 6181 FE Vega (EBCL 99004). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 6 Oct 1998. Bulgaria: Plovdiv.
- 6182 FE Vega (EBCL 99013). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.
- 6184 FE Vega (EBCL 99018). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 14 Jan 1999. France: Le Calvaire.
- 6185 FE Vega (EBCL 99020). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 13 Jan 1999. France: St. Marie aux Anglais.
- 6186 FE Vega (EBCL 99021). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 10 Dec 1998. France: Chez Moitou.
- 6187 FE Vega (EBCL 99022). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.
- 6189 FE Vega (EBCL 99025). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 22 Feb 1999. France: Arre.
- 6191 FE Vega (EBCL 99028). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 13 Jan 1999. France: Crèvecœur.
- 6194 FE Vega (EBCL 99032). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.
- 6195 FE Vega (EBCL 99033). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 6 Oct 1998. Bulgaria: Plovdiv.
- 6196 FE Vega (EBCL 99034). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.
- 6199 FE Vega (EBCL 99038). *Hedya nubiferana* [Lepidoptera: Tortricidae]. 31 Mar 1999. France: Layrac.
- 6201 FE Vega (EBCL 98027). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespians, Gard.
- 6205 FE Vega (EBCL 98041). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 1998. France: Pujaudrau.
- 6208 FE Vega (EBCL 98053). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
- 6209 FE Vega (EBCL 98054). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.

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- 6217 AE Hajek (6B). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.
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- 6230 [RCEF 0300] [Orthoptera: Acrididae]. 20 Sep 1997. PR China: Anhui.
- 6231 [RCEF 0306] [Orthoptera]. 7 Jan 1998. PR China: Anhui.
- 6232 [RCEF 0418] [Orthoptera: Acrididae]. 20 Jul 1998. PR China: Anhui.
- 6233 [RCEF 0471] *Lymantria dissoluta* [Lepidoptera: Lymantriidae]. 27 Jan 1999. PR China: Anhui.
- 6234 [RCEF 0498] [Orthoptera: Tettigonioidea]. 27 Nov 1998. PR China: Anhui.
- 6387 TL Dubois (T7 (2) (2)) ← MT Smith. Larva, early instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twig. May 1998. PR China.
- 6390 TL Dubois (HF 2 c 1). Egg, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on *Populus* sp. 8 Aug 1999. PR China: Anhui.
- 6391 TL Dubois (ST 1 # 1 (1)) ← SM Smith ← SA Teale. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twigs of *Acer* sp. 2 Jul 1997. USA: Laboratory colony, SUNY College of Environmental Science and Forestry, Syracuse, New York. Laboratory colony started from host originally obtained from infested maple wood collected in New York, New York, USA 29 April 1997.
- 6393 TL Dubois (VD 12 rep b) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Rec'd 22 Dec 1999. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.
- 6404 B Tunali (27). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.
- 6426 B Tunali (28). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey.
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- 6459 [CIAT 044] D Peck. Adult, *Zulia carbonaria* [Homoptera: Cercopidae]. 4 Aug 1999. Colombia: Santander de Quilichao, Cauca.
- 6471 SR Grugel. *Dectes texanus* [Coleoptera: Cerambycidae]. 3 Nov 1998. USA: Goodland, Kansas.
- 6478 BL Parker (SPT-KZ-375). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:** contact Curator
- 6483 BL Parker (SPT-KZ-406). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 5 Feb 2000. Kazakhstan: GPS Coordinates N 44°13.034' E 077°41.315'. **RESTRICTED ACCESS:** contact Curator
- 6499 BL Parker (SPT-KR-452). Adult, [Coleoptera: Buprestidae] overwintering in soil. 11 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°40.597' E 075°02.855'. **RESTRICTED ACCESS:** contact Curator
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- 6526 FE Vega (EBCL 99046). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6527 FE Vega (EBCL 99048). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6528 FE Vega (EBCL 99055). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6529 FE Vega (EBCL 99057). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6530 FE Vega (EBCL 99059). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6531 FE Vega (EBCL 99070). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6532 FE Vega (EBCL 99071). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6552 D Chandler (HRI 342.92). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6553 D Chandler (HRI 347.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6555 D Chandler (HRI 365.92). Adult, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6556 D Chandler (HRI 367.93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from woodland soil. Rec'd 13 Jul 2000. United Kingdom.
- 6557 D Chandler (HRI 373.93). Pupa, [Lepidoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6559 D Chandler (HRI 386.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6560 D Chandler (HRI 397.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.

- 6563 D Chandler (HRI 405.94). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6564 D Chandler (HRI 407.95). *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6565 D Chandler (HRI 417.96). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6566 D Chandler (HRI 461.99). [Diptera: Sciaridae]. Rec'd 13 Jul 2000. United Kingdom.
- 6567 D Chandler (HRI 462.99). [Diptera: Ephydriidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6568 D Chandler (HRI 465.99). Adult, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6578 SB Krasnoff ← L Allee. Laboratory contaminant. Acc'd 19 Mar 2003. USA: Department of Entomology, Geneva Agricultural Experiment Station, Geneva, New York.
- 6612 JL Hatting (14). Rec'd 27 Sep 2000. Hungary: Budapest, Budapest.
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- 6646 KU Devi (KB5). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.
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- 6648 KU Devi (LOCAL/PIV). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.
- 6650 KU Devi (PIV). *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Visakhapatnam, Andhra Pradesh.
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- 7359 DJ Bruck (IP-63). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Aug 2002. USA: Aurora, Oregon.
- 7362 DJ Bruck (IP-94). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.
- 7363 DJ Bruck (IP-225). Isolated from soil sample. 19 Aug 2002. USA: Salem, Oregon.
- 7364 DJ Bruck (IP-238). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.
- 7365 DJ Bruck (IP-241). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.
- 7377 DEN Rangel (DENR 01). [Hymenoptera: Megachilidae]. Rec'd 30 Jun 2004.
- 7378 DEN Rangel (DENR 02). [Hymenoptera: Megachilidae]. Rec'd 30 Jun 2004.
- 7379 DW Roberts (MC-A 181003A). *Anabrus simplex* [Orthoptera: Tettigoniidae]. Rec'd 30 Jun 2004.
- 7380 DW Roberts (MC-C 181003C). *Anabrus simplex* [Orthoptera: Tettigoniidae]. Rec'd 30 Jun 2004.
- 7404 DC Steinkraus. Larva, *Enaphalodes rufulus* [Coleoptera: Cerambycidae] from *Quercus rubra* L., northern red oak. 14 May 2003. USA: Ozark National Forest, Franklin County, Arkansas.
- 7464 [CEP 072] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 11 Sep 2003. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7465 [CEP 074] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 30 Dec 2003. Argentina: Berazategui, Buenos Aires.
- 7466 [CEP 075] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 30 Dec 2003. Argentina: Berazategui, Buenos Aires.
- 7467 [CEP 077] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 24 Feb 2004. Argentina: Los Hornos, Buenos Aires.
- 7468 [CEP 080] C López Lastra. *Kronides* sp. [Homoptera: Membracidae] on *Eryngium* sp. (Apiaceae). 20 Mar 2004. Argentina: San Vicente, Buenos Aires.
- 7469 [CEP 081] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 20 Mar 2004. Argentina: San Vicente, Buenos Aires.
- 7470 [CEP 083] C López Lastra. [Coleoptera] on *Eryngium* sp. (Apiaceae). 9 Mar 2004. Argentina: Horco Molle, Tucumán.
- 7471 [CEP 092] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 7 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7519 M Shimazu (F-1209). Larva, [Hymenoptera: Pampiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7520 M Shimazu (F-1210). Larva, [Hymenoptera: Pampiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7521 M Shimazu (F-1211). Larva, [Hymenoptera: Pampiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7525 S Keller (727). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.
- 7526 S Keller (728). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.
- 7533 E Groden (Plate #1). *Myrmica rubra* [Hymenoptera: Formicidae]. 12 Aug 2003. United Kingdom: Kimmeridge, Dorset, England. 50.37.11 N, 02.06.59 W, 133 m elevation.
- 7534 E Groden (Plate #2). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2004. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.
- 7540 BJ Cole (C2). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 956. Summer 2004. USA: Mesa County, Colorado.
- 7541 BJ Cole (C29). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 446. Summer 2004. USA: Mesa County, Colorado.
- 7552 I Klingen (NCRI 66/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7553 I Klingen (NCRI 68/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7554 I Klingen (NCRI 91/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: conventional apple orchard, Balestrand, Sogn og Fjordane.

- 7581 [SRCAMB B-25] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Carabidae]. Isolated from synnema of *Cordyceps entomorrhiza*. Aug 2001. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-206.
- 7583 [SRCAMB VL-36] V Likhovidov. [Homoptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-237.
- 7585 [SRCAMB B-38] V Likhovidov ← BA Borisov. [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-234.
- 7590 [SRCAMB B-174] V Likhovidov ← BA Borisov. [Homoptera: Cicadellidae]. 20 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-298.
- 7592 [SRCAMB B-205] V Likhovidov (Vg-19 (3ts)) ← BA Borisov. *Nilaparvata lugens* [Homoptera: Delphacidae]. Oct 1991. Vietnam: environs, Ho Chi Minh City. Field Collection Number F-64.
- 7593 [SRCAMB B-210] V Likhovidov (24/89) ← BA Borisov. Larva, [Lepidoptera]. 1989. Russian Federation: Irkutsk Region. Field Collection Number F-70.
- 7596 [SRCAMB VL-760] V Likhovidov. *Apis mellifera* [Hymenoptera: Apidae]. 20 Aug 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-210.
- 7758 [IMI 012944] *Hypothenemus hampei* [Coleoptera: Scolytidae]. 1926. Sri Lanka. **RESTRICTED ACCESS:** consult Curator.
- 7763 [IMI 358840] *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom: England. **RESTRICTED ACCESS:** consult Curator.
- 7764 [IMI 386243] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7765 [IMI 386605] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7766 [IMI 386606] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7767 [IMI 386607] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7768 [IMI 387294] Adult, Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom: farm, Suffolk, England. **RESTRICTED ACCESS:** consult Curator.
- 7769 [IMI 389521] [Coleoptera: Curculionidae] grain weevil. Rec'd 10 Jun 2005. United Kingdom: sweepings at premises no. 01/070802. **RESTRICTED ACCESS:** consult Curator.
- 7770 [IMI 388950] *Ovis aries* [Artiodactyla: Bovidae] Isolated from Suffolk sheepskin washing, sheep 193/iN (neck)/dilution plate 10-2. Rec'd 10 Jun 2005. United Kingdom. First animal trial at Veterinary Laboratories Agency, Addlestone (block 235). **RESTRICTED ACCESS:** consult Curator.
- 7771 [IMI 173199] *Equus ferus caballus* [Perissodactyla: Equidae] Isolated from nasal swab of a horse. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7772 [IMI 173201] *Equus ferus caballus* [Perissodactyla: Equidae] Isolated from nasal swab of a horse. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7773 [IMI 386368] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7774 [IMI 386367] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7775 [IMI 061345] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7776 [CEP 189] C López Lastra ← A Toledo. Adult, male, *Oliarus dimidiatus* [Homoptera: Cixiidae] on *Oryza sativa* L., rice crop. 9 Mar 2005. Argentina: Estación experimental Julio Hirschhorn, Los Hornos, Buenos Aires.
- 7795 [ATCC 74040] Fermone Corporation (FCI-7744). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd Jul 2005. USA: Rio Grande Valley, Texas. **RESTRICTED ACCESS:** consult Curator.
- 7796 [IMI I93-825] Rec'd 18 Jul 2005. **RESTRICTED ACCESS:** consult Curator.
- 7813 [CSIRO FI-0001] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: McKemey, Guyra, New South Wales.
- 7853 [CSIRO FI-0210] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Canberra, Australian Capital Territory.
- 7877 [CSIRO FI-0277] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7878 [CSIRO FI-0278] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7889 [CSIRO FI-0293] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7890 [CSIRO FI-0294] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7891 [CSIRO FI-0296] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.

- 7940 JABB of the Carolinas Inc. (HF23). *Musca domestica* [Diptera: Muscidae]. 1997. USA: Dairy farm, Bell, Florida. **RESTRICTED ACCESS:** contact Curator.
- 7941 JABB of the Carolinas Inc. (NC2). *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. 1988. USA: Turkey grow out houses, Union, West Virginia. **RESTRICTED ACCESS:** contact Curator.
- 7947 NV Meyling (KVL 04-48). Isolated from blade of unspecified grass, *Poaceae*. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7948 NV Meyling (KVL 04-50). Isolated from blade of unspecified grass, *Poaceae*. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7949 NV Meyling (KVL 04-52). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7950 NV Meyling (KVL 04-54). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7951 NV Meyling (KVL 04-63). Isolated from leaf of *Urtica dioica* L., stinging nettle. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.
- 7952 NV Meyling (KVL 04-69). Isolated from leaf of *Urtica dioica* L., stinging nettle. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.
- 7953 NV Meyling (KVL 04-72). Isolated from leaf of *Crataegus monogyna* Jacq., hawthorn. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.
- 7954 NV Meyling (KVL 06-01). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7955 LA Lacey (1B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 67°06'07" N, 150°05'46" W.
- 7956 LA Lacey (1C). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 67°06'07" N, 150°05'46" W.
- 7957 LA Lacey (2B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.
- 7958 LA Lacey (2C). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.
- 7959 LA Lacey (2D). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.
- 7963 LA Lacey (7). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Mile 400, wooded area, Alaska. 65°30'06" N, 148°45'29" W.
- 7964 LA Lacey (8). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 1 (Wrigley), CRP soil 1-3, Alaska.
- 7965 LA Lacey (8A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 1 (Wrigley), CRP soil 1-3, Alaska.
- 7966 LA Lacey (12A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 2 (Dufenbach), forest soil 13-15, Alaska.
- 7968 LA Lacey (16A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 3 (Green), field soil 25-27, Alaska.
- 7969 LA Lacey. Overwintering larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 7 Mar 2006.
- 7971 BC King (42). Phylum Arthropoda, Class Insecta. 9 Dec 2003. Canada: Pacific Spirit Regional Park, forest, Vancouver, British Columbia. GenBank match - AB079126 (100%) LSU. **RESTRICTED ACCESS:** consult Curator.
- 7972 BC King (52). Adult, [Coleoptera] on forest floor. 28 Aug 2004. Canada: Pacific Spirit Regional Park, forest, Vancouver, British Columbia. GenBank match - AB027381 (100%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 7977 BC King (74). Pupa, Phylum Arthropoda, Class Insecta. Mar 2005. USA: forest, Renton, Washington. GenBank match - AB027381 (100%) LSU. **RESTRICTED ACCESS:** consult Curator.
- 7978 BC King (77). [Coleoptera: Curculionidae] in loose duff near rocky beach. 19 Apr 2005. Canada: Pacific Spirit Regional Park, Wreck Beach, Vancouver, British Columbia. GenBank match - AB027381 (100%) LSU. **RESTRICTED ACCESS:** consult Curator.
- 7983 [CENARGEN CG 425] *Rhammatocerus schistoceroides* [Orthoptera: Acrididae]. Rec'd 29 Mar 2006. Brazil: Campos Novos dos Parecis, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 7984 [ARSEF 8638; CENARGEN CG 883] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 8025 NV Meyling (KVL 03-72). *Liocoris tripustulatus* [Hemiptera: Miridae] from *Urtica dioica* L., stinging nettle habitat type. 25 Jun 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8026 NV Meyling (KVL 03-81). *Stenodema laevigatum* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

- 8027 NV Meyling (KVL 03-85). *Scolopostethus affinis* [Hemiptera: Lygaeidae] from *Urtica dioica* L., stinging nettle habitat type. 31 Jul 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8028 NV Meyling (KVL 03-90). *Anthocoris nemorum* [Hemiptera: Anthocoridae] from *Urtica dioica* L., stinging nettle habitat type. 25 Jun 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8029 NV Meyling (KVL 03-94). *Notostira elongata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8030 NV Meyling (KVL 03-118). *Notostira elongata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8031 NV Meyling (KVL 03-122). *Pegoplata aestiva* [Diptera: Anthomyiidae]. 31 Jul 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8032 NV Meyling (KVL 03-129). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from field soil. 18 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8033 NV Meyling (KVL 03-136). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8035 NV Meyling (KVL 03-142). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8036 NV Meyling (KVL 03-148). *Leptopterna dolabrata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 10 Jul 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8037 NV Meyling (KVL 04-32). *Rhynchites aequatus* [Coleoptera: Curculionidae] from *Crataegus* sp., hawthorn habitat type. 30 May 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8038 NV Meyling (KVL 04-33). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8039 NV Meyling (KVL 04-92). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Jul 2004. Greenland: Disko Island. 70° N, 53° W.
- 8040 NV Meyling (KVL 04-93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Jul 2004. Greenland: Disko Island. 70° N, 53° W.
- 8065 [CSIRO FI-0570] *Pterohelaeus darlingensis* [Coleoptera: Tenebrionidae]. 5 Oct 1989. Australia: Jondaryan, Queensland.
- 8066 [CSIRO FI-0571] *Helicoverpa* sp. [Lepidoptera: Noctuidae] on *Medicago sativa* L., lucerne. 24 Jan 1990. Australia: Gatton, Queensland.
- 8076 [CSIRO FI-0697] Rec'd Summer 2006.
- 8077 [CSIRO FI-0701] *Sitona* sp. [Coleoptera: Curculionidae]. 8 Oct 1990. New Zealand: South Island.
- 8078 [CSIRO FI-0703] *Otiorrhynchus sulcatus* [Coleoptera: Curculionidae]. 8 Oct 1990. New Zealand: South Island.
- 8079 [CSIRO FI-0705] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 8 Oct 1990. New Zealand: Christchurch, South Island.
- 8189 LA Castrillo (MI-01). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8190 LA Castrillo (MI-02). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8191 LA Castrillo (MI-03). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8192 LA Castrillo (MI-04). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8193 LA Castrillo (MI-05). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8194 LA Castrillo (MI-06). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8195 LA Castrillo (MI-07). Isolated from soil sample, plot 3. May 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8201 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Aug 2005. **RESTRICTED ACCESS:** contact Curator.
- 8202 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Aug 2005. **RESTRICTED ACCESS:** contact Curator.
- 8203 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB1.1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005.
- 8204 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB1.1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** contact Curator.
- 8205 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB1.3-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** contact Curator.
- 8206 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB1.3-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** contact Curator.

- 8207 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB1.4-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** contact Curator.
- 8208 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB1.5-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** contact Curator.
- 8209 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB1.5-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** contact Curator.
- 8210 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB2.1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** contact Curator.
- 8211 [ATCC 74040; Troy Biosciences Inc. ] LA Castrillo (TB2.1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** contact Curator.
- 8213 S Entz (FM06-2B). *Melanoplus bivittatus* [Orthoptera: Acrididae]. Aug 2006. Canada: 30 km east of Fort Macleod, Alberta.
- 8237 LA Castrillo (CA1). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8238 LA Castrillo (CA6). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8239 LA Castrillo (CD10). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8240 LA Castrillo (CE1). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8241 LA Castrillo (CE10). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8242 LA Castrillo (FA1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.
- 8243 LA Castrillo (FB1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.
- 8244 LA Castrillo (FC1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.
- 8245 LA Castrillo (SF<sub>B</sub>b1) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8246 LA Castrillo (SF<sub>B</sub>b2) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8247 LA Castrillo (SF<sub>B</sub>b7) ← M Filotas. Adult, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8253 BC King (Beetle 1). Acc'd 20 Dec 2006.
- 8254 [NRRL 30976] WG Meikle and G Mercadier (EBCL 05002). *Varroa destructor* [Acari: Varroidae]. 16 May 2005. France: Nézignan l'Évêque, Hérault.
- 8255 WG Meikle and G Mercadier (EBCL 05005). *Varroa destructor* [Acari: Varroidae]. 28 Jun 2005. France: Quéribus, Aude.
- 8256 WG Meikle and G Mercadier (EBCL 05006). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Le Vigan, Gard.
- 8258 WG Meikle and G Mercadier (EBCL 05011). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Montdardier, Gard.
- 8260 RJ Pereault (bbpci#1). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8261 RJ Pereault (bbpci#2). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8262 RJ Pereault (bbpci#3). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8263 RJ Pereault (bbpci#5). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8271 RJ Pereault (bbsi#11). Isolated from soil sample. Jul 2006. USA: Northport, Michigan.
- 8272 RJ Pereault (bbsi#14). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8273 RJ Pereault (bbsi#17). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8274 RJ Pereault (bbsi#18). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8275 RJ Pereault (bbsi#19). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8276 RJ Pereault (bbsi#20). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8317 N Hudson (NI8). *Lygus lineolaris* [Hemiptera: Miridae] on pigweed. 29 Jul 2002. USA: Washington County, Mississippi. **RESTRICTED ACCESS:** consult Curator.
- 8318 N Hudson (SfBb1). *Spissistilus festinus* [Homoptera: Membracidae] on *Medicago sativa* L., alfalfa. 12 Jul 2004. USA: Fresno County, California.
- 8339 Z Demirbag (KTU-7). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 17 Jul 2006. Turkey: Yomra, Trabzon.
- 8340 Z Demirbag (KTU-8). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.
- 8343 Z Demirbag (KTU-11). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.
- 8349 Z Demirbag (KTU-17). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.

- 8354 Z Demirbag (KTU-22). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.
- 8355 Z Demirbag (KTU-23). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Hemsin, Rize.
- 8356 Z Demirbag (KTU-24). *Thaumetopoea pityocampa* [Lepidoptera: Thaumetopoeidae]. 11 Dec 2006. Turkey: Samsun.
- 8368 [CEP 001; LPSC 881] AV Toledo. Soil of *Zea mays* L., corn crop. 30 May 2003. Argentina: Partido Magdalena, Buenos Aires.
- 8369 [CEP 002; LPSC 882] AV Toledo. Soil of *Zea mays* L., corn crop. 3 Jul 2003. Argentina: Los Hornos, Buenos Aires.
- 8370 [CEP 137; LPSC 891] AV Toledo. Adult, *Balaucha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 21 Jul 2004. Argentina: Berazategui, Buenos Aires.
- 8371 [CEP 142; LPSC 894] AV Toledo. Adult, *Pawiloma victimata* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 25 Aug 2004. Argentina: Berazategui, Buenos Aires.
- 8372 [CEP 147; LPSC 896] AV Toledo. Adult, *Cyclonedra sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8373 [CEP 150; LPSC 897] AV Toledo. Adult, *Diabrotica speciosa* [Coleoptera: Chrysomelidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8374 [CEP 151; LPSC 898] AV Toledo. Adult, *Doru lineare* [Dermoptera: Forficulidae] on *Zea mays* L., maize. Apr 2004. Argentina: El Manantial, Tucumán.
- 8383 LA Castrillo ← SL Annis and E Groden (PA2). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8384 LA Castrillo ← SL Annis and E Groden (PA6). Isolated from soil sample. Summer 2007. USA: Lacourse Farm, Parkman, Maine.
- 8385 LA Castrillo ← SL Annis and E Groden (PA20). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8386 LA Castrillo ← SL Annis and E Groden (PA55). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
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- 8388 LA Castrillo ← SL Annis and E Groden (PA151). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
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- 8390 LA Castrillo ← SL Annis and E Groden (PI27). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
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- 8393 LA Castrillo ← SL Annis and E Groden (PI71). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
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- 8395 LA Castrillo ← SL Annis and E Groden (DM3). Isolated from soil sample. Summer 2000. USA: Goranson Farm, Dresden Mills, Maine.
- 8396 LA Castrillo ← SL Annis and E Groden (DMA7). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8397 LA Castrillo ← SL Annis and E Groden (DMA11). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8398 LA Castrillo ← SL Annis and E Groden (DMA30). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
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- 8412 AE Hajek (Q2k953). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2001. USA: Quarantine colony, Ithaca, New York.
- 8413 AE Hajek (ST2). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 14 Jul 1998. USA: Quarantine colony, Syracuse, New York.
- 8414 AE Hajek (WU50). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2000. PR China: Wuhe, Anhui.
- 8431 Z Demirbag (KTU-25). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 21 Mar 2007. Turkey: Ünye, Ordu.
- 8444 Z Demirbag (KTU-38). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Mar 2007. Turkey: Ulubey, Ordu.
- 8459 [CEP 069; LPSC 883] AV Toledo. Adult, *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 11 Mar 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 8460 [CEP 111] AV Toledo. Adult, *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 20 Apr 2004. Argentina: Berazategui, Buenos Aires.
- 8461 [CEP 138] AV Toledo. Adult, *Heilipodus erythropus* [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8462 [CEP 148] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8463 [CEP 149] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8464 [CEP 175; LPSC 900] AV Toledo. Adult, *Cratomorphus diaphanus* [Coleoptera: Lampyridae] on *Eryngium* sp. (Apiaceae). Nov 2004. Argentina: Mercedes, Corrientes.
- 8465 [CEP 249] AV Toledo. Adult, *Doru lineare* [Dermoptera: Forficulidae] on *Zea mays* L., maize. 4 Dec 2006. Argentina: Chacabuco, Buenos Aires.
- 8475 WC Luz (eco 78). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** consult Curator.
- 8493 [CSIRO FI-0016] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.
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- 8520 [CEP 112] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.
- 8521 [CEP 113] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.
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- 8525 [CEP 118] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8526 [CEP 119] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8528 [CEP 139; LPSC 892] AV Toledo. Adult, *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8529 [CEP 140; LPSC 893] AV Toledo. Adult, *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8530 [CEP 141] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
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- 8579 [CSIRO FI-0899] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.
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- 8636 [CENARGEN CG 1011] I Chapaval Pimentel. Endophyte of *Zea mays* L., corn. Rec'd 18 Sep 2007. Brazil: Paraná. **RESTRICTED ACCESS:** consult Curator.
- 8637 [CENARGEN CG 882] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.

- 8638 [ARSEF 7984; CENARGEN CG 883] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 8661 Z Demirbag (KTU-50). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüşhane.
- 8663 Z Demirbag (KTU-52). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüşhane.
- 8664 Z Demirbag (KTU-53). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Erzurum.
- 8666 Z Demirbag (KTU-55). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Askale, Erzurum.
- 8667 Z Demirbag (KTU-56). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane.
- 8668 Z Demirbag (KTU-57). *Rhynchites baccus* [Coleoptera: Curculionidae]. 7 Jul 2007. Turkey: Gümüşhane.
- 8670 Z Demirbag (KTU-59). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane.
- 8672 Z Demirbag (KTU-61). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane.
- 8673 Z Demirbag (KTU-62). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Bayburt.
- 8674 Z Demirbag (KTU-63). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Bayburt.
- 8694 ST Jaronski (GE007). *Calliptamus italicus* [Orthoptera: Catantopidae]. 21 Jul 2005. Republic of Georgia: Sagarejo, Kakheti.
- 8695 ST Jaronski (GE025). [Orthoptera: Acrididae]. 4 Oct 2005. Republic of Georgia: Tbilisi.
- 8697 ST Jaronski (GE050). *Calliptamus italicus* [Orthoptera: Catantopidae]. 22 Feb 2006. Republic of Georgia: Samuxi.
- 8704 RG Hollingsworth (H1). [Orthoptera]. 9 Apr 2001. USA: Commercial plant nursery, Hilo, Hawaii.
- 8705 RG Hollingsworth (H2). [Coleoptera: Curculionidae]. 14 Jul 2003. USA: Laboratory colony, U.S. Pacific Basin Agricultural Research Center, Hilo, Hawaii.
- 8706 RG Hollingsworth (H3). [Hemiptera: Lygaeidae]. 9 Jan 2007. USA: Kalopa Native Forest State Park, Kalopa, Hawaii.
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- 8708 RG Hollingsworth (H5). 3 Jan 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
- 8709 RG Hollingsworth (H6). [Lepidoptera]. 26 Jan 2007. USA: Waiakea Experiment Station, Hilo, Hawaii.
- 8710 RG Hollingsworth (H9). [Homoptera: Cicadellidae]. 8 Mar 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
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- 8712 RG Hollingsworth (H11). [Diptera]. 8 Mar 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
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- 8751 [CSIRO FI-1144] *Austracris guttulosa* [Orthoptera: Acrididae]. 17 Aug 1995. Australia: Clermont, Queensland.
- 8752 [CSIRO FI-1145] *Austracris guttulosa* [Orthoptera: Acrididae]. 17 Aug 1995. Australia: Clermont, Queensland.
- 8753 [CSIRO FI-1150] *Lophyrtoma zonalis* [Hymenoptera: Pergidae]. 17 Aug 1995. Australia: Alstonville, New South Wales.
- 8756 [CSIRO FI-1153] *Phlyctinus callosus* [Coleoptera: Curculionidae]. 20 Nov 1995. Australia: Glasshouse, Knowfield, Victoria.
- 8757 [CSIRO FI-1154] *Phlyctinus callosus* [Coleoptera: Curculionidae]. 20 Nov 1995. Australia: Glasshouse, Knowfield, Victoria.
- 8763 [CSIRO FI-1162] *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. May 1996. Australia: Cooma, New South Wales.
- 8771 LA Castrillo (APMI1) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 25 Jun 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8772 LA Castrillo (APMI2) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 25 Jun 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8773 LA Castrillo (APMI3) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 8 Jul 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8774 LA Castrillo (APMI4) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae]. 19 Jul 2008. USA: Okemos, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8835 [CSIRO FI-1261] [Coleoptera: Chrysomelidae]. 25 May 1998. Australia: Tasmania.

- 8836 [CSIRO FI-1262] [Coleoptera: Chrysomelidae]. 25 May 1998. Australia: Tasmania.
- 8843 [CSIRO FI-1311] *Opodiphthera eucalepti* [Lepidoptera: Saturniidae]. 10 Mar 1999. Australia: Dorrigo, New South Wales.
- 8846 [CSIRO FI-1315] *Locusta migratoria* [Orthoptera: Acrididae]. 4 May 1999. Australia: Mendooran, New South Wales.
- 8853 [CSIRO FI-1348] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 86. Jun 1999. Australia: Condong, New South Wales.
- 8854 [CSIRO FI-1349] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 120. Jun 1999. Australia: Condong, New South Wales.
- 8889 TA Ugine (TPB3) or (NI8). *Lygus lineolaris* [Hemiptera: Miridae] on *Conyza canadensis* (L.) Cronquist, Canadian horseweed. Jul 2002. USA: Washington County, Mississippi.
- 8891 [CSIRO FI-0079] *Danaus plexippus* [Lepidoptera: Danaidae]. 11 Oct 1984. Australia: Queensland.
- 8929 [CEP 317] CP D'Alessandro and C López Lastra. Isolated from soil sample of *Solanum melongena* L., eggplant crop culture. 25 Jun 2008. Argentina: Abasto, La Plata, Buenos Aires.
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- 8933 [ERL 677] M Brownbridge (CA-148) and S Gouli. Isolated from soil sample. 2002. USA: California.
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- 8936 [ERL 680] M Brownbridge (CA-153) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8937 [ERL 681] M Brownbridge (CA-687) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8938 [ERL 682] M Brownbridge (CA-688) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8939 [ERL 683] M Brownbridge (CA-689) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8940 [ERL 684] M Brownbridge (CA-880) and S Gouli. Isolated from soil sample. 2002. USA: California.
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- 8959 [ERL 651] M Brownbridge (CA-105) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8960 [ERL 652] M Brownbridge (CA-106) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8961 [ERL 653] M Brownbridge (CA-107) and S Gouli. Isolated from soil sample. 2002. USA: California.
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- 8963 [ERL 655] M Brownbridge (CA-110) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8964 [ERL 656] M Brownbridge (CA-111) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8965 [ERL 658] M Brownbridge (CA-113) and S Gouli. Isolated from soil sample. 2002. USA: California.
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- 8967 [ERL 660] M Brownbridge (CA-117) and S Gouli. Isolated from soil sample. 2002. USA: California.
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- 8969 [ERL 662] M Brownbridge (CA-119) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8970 [ERL 663] M Brownbridge (CA-120) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8971 [ERL 664] M Brownbridge (CA-121) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8972 [ERL 665] M Brownbridge (CA-122) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8973 [ERL 666] M Brownbridge (CA-123) and S Gouli. Isolated from soil sample. 2002. USA: California.
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- 8976 [ERL 669] M Brownbridge (CA-140) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8977 [ERL 670] M Brownbridge (CA-141) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8978 [ERL 671] M Brownbridge (CA-142) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8979 [ERL 672] M Brownbridge (CA-143) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8980 [ERL 673] M Brownbridge (CA-144) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8981 [ERL 674] M Brownbridge (CA-145) and V Gouli. Isolated from soil sample. 2002. USA: California.
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- 8998 M Pava-Ripoll (Bb UMD-Greenhouse). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 3 Dec 2008. USA: University of Maryland, greenhouse, College Park, Maryland.
- 9178 Rec'd 10 Jun 2009. **RESTRICTED ACCESS:** consult Curator.
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- 9194 [ERL 780] M Brownbridge (CA-750) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9195 [ERL 781] M Brownbridge (CA-781) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9196 [ERL 782] M Brownbridge (CA-803) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9197 [ERL 783] M Brownbridge (CA-751) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9198 [ERL 784] M Brownbridge (CA-804) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9199 [ERL 785] M Brownbridge (CA-752) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9200 [ERL 787] M Brownbridge (CA-782) and S Gouli. Isolated from soil sample. 2002. USA: California.
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- 799 [GCRI 64-82] RA Hall ← J Fargues. *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France. Identification verified genomically.
- 985 J Aoki (Beau. 22) ← K Katagiri ← T Kushida. *Anomala costata* [Coleoptera: Scarabaeidae]. Nov 1971. Japan: Hachioji, Tokyo Prefecture. Identification verified genomically.
- 1067 TJ Poprawski ← S Keller (117). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 10 May 1982. Switzerland: Buhwil, Thurgau.
- 1068 TJ Poprawski ← S Keller (118). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 10 May 1982. Switzerland: Buhwil, Thurgau.
- 1069 TJ Poprawski ← S Keller (119). *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd Feb 1984. Switzerland. Mixture of 3 strains.
- 1070 TJ Poprawski ← S Keller (120). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Jul 1982. Switzerland: Breitenloo, Thurgau.
- 1071 TJ Poprawski ← S Keller (125). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Bleiken, Thurgau.
- 1072 TJ Poprawski ← S Keller (126). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Bleiken, Thurgau.
- 1076 S Keller (131). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Istighofen, Thurgau.
- 1077 S Keller (134). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 8 Dec 1983. Switzerland: Bleiken, Thurgau.
- 1360 S Balazy (1599). Rec'd 19 May 1984. Poland.
- 1366 S Balazy (1594d). Rec'd 19 May 1984. Poland.
- 1431 MC Rombach (A). *Niphonoclea* sp. [Coleoptera: Cerambycidae] on forest litter. Apr 1984. Philippines: UPLB Botanical Garden, Los Baños, Manila.
- 1829 [ARSEF 1481 (lost)] SB Alves (258). *Castnia licus* [Lepidoptera: Castniidae] on sugar cane. Acc'd 29 Jan 1985. Brazil: Pernambuco.
- 1830 [ARSEF 1482 (lost)] SB Alves (210). *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. Acc'd 29 Jan 1985. Brazil: São Paulo.
- 1871 S Keller (165). Rec'd 27 Mar 1985. Location not specified.
- 1872 S Keller (166). Rec'd 27 Mar 1985. Location not specified.
- 1873 S Keller (167). Rec'd 27 Mar 1985. Location not specified.
- 1874 S Keller (168). Rec'd 27 Mar 1985. Location not specified.
- 1875 S Keller (169). Rec'd 27 Mar 1985. Location not specified.
- 2271 BT Forschler (RF-3). Adult, *Cyrtepistomus castaneus* [Coleoptera: Curculionidae]. Sep 1986. USA: Robinson Forest, Univ. of Kentucky, Breathitt County, Kentucky. Identification verified genomically.
- 2660 C Gopalakrishnan (31). Adult, [Coleoptera]. Rec'd Nov 1988. India.
- 3054 [MAF F1] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.
- 4024 T Steenberg (226) ← A Kirkeby-Thomse. *Ips typographus* [Coleoptera: Scolytidae] on Sitka spruce. Rec'd Nov 1993. Denmark.
- 4362 LA Lacey (94126). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido. Identification verified genomically.
- 4363 LA Lacey (94128). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido. Identification verified genomically.

- 4380 LA Lacey (94141) ← CAAS (CZN.9301). [Coleoptera: Scarabaeidae]. 7 May 1994. Location not specified.
- 4381 LA Lacey (94142) ← CAAS (4pl). [Coleoptera: Scarabaeidae]. 7 May 1994. Location not specified.
- 4385 LA Lacey (94136). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4386 LA Lacey (94137). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4388 LA Lacey (94139). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4389 LA Lacey (94131). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4458 LA Lacey (94127). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo Golf Course, Sapporo, Hokkaido.
- 4465 LA Lacey (94143). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4466 LA Lacey (94144). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4467 LA Lacey (94145). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4468 LA Lacey (94146). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4469 LA Lacey (94147). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4470 LA Lacey (94148). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4471 LA Lacey (94149). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4472 LA Lacey (94150). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4473 LA Lacey (94151). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4475 LA Lacey (94153). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4476 LA Lacey (94154). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4477 LA Lacey (94155). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4478 LA Lacey (94156). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4992 LA Lacey (95050). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4993 LA Lacey (95052). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4994 LA Lacey (95053). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4995 LA Lacey (95054). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 5355 LA Lacey (96015). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5356 LA Lacey (96016). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5357 LA Lacey (96017). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5358 LA Lacey (96018). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5359 LA Lacey (96019). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5360 LA Lacey (96020). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5361 LA Lacey (96021). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5362 LA Lacey (96022). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5363 LA Lacey (96023). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5364 LA Lacey (96024). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 6023 BL Parker ← V Gouli (SPT-R-201). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6213 AE Hajek (1). Adult, [Coleoptera: Curculionidae] in leaf litter. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.
- 6214 AE Hajek (2A). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.
- 6215 AE Hajek (3A). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.
- 6235 [RCEF 0385] *Anoplophora malasiaca* [Coleoptera: Cerambycidae]. Rec'd 24 Aug 1999. Japan.
- 6412 M Shimazu (F-1101). *Anoplophora malasiaca* [Coleoptera: Cerambycidae]. 8 Dec 1993. Japan: Kukisaki, Ibaraki Prefecture.
- 6437 Acc'd 9 Mar 2001.
- 6438 Acc'd 9 Mar 2001.
- 6439 Acc'd 9 Mar 2001.
- 6440 Acc'd 9 Mar 2001.
- 7058 E Groden (Ant 1 / Bio 1). *Myrmica rubra* [Hymenoptera: Formicidae]. 13 Aug 2002. USA: Otter Creek, north end of Otter Cove, Mt. Desert Island, Maine. Identification verified genomically.

- 7268 JM Sung (EFCC 5119). [Coleoptera: Carabidae]. 14 Jul 2000. Republic of Korea: Undooryung, Kangwon-do. Identification verified genomically.
- 7376 DM Gibson. Adult, *Magicicada septendecim* [Homoptera: Cicadidae]. 9 Jun 2004. USA: ARS National Visitor Center, Beltsville, Maryland. Identification verified genomically.
- 7528 S Keller (812). 3rd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 23 Oct 2002. Switzerland: Innertkirchen, Bern.
- 7555 I Klingen (NCRI 57/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.
- 7556 I Klingen (NCRI 71/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7557 I Klingen (NCRI 73/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7558 I Klingen (NCRI 74/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.
- 7559 I Klingen (NCRI 86/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7560 I Klingen (NCRI 223/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard , Balestrand, Sogn og Fjordane.
- 7561 I Klingen (NCRI 233/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7761 [CBS 326.67; IMI 232818] *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd 10 Jun 2005. Netherlands.
- 7762 [IMI 303228] From spawned mushroom compost. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 8034 NV Meyling (KVL 03-140). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 9452 [SRCAMB VL-1582] V Likhovidov. Larva, [Coleoptera: Elateridae]. 14 Sep 2004. Russian Federation: Caucasus Mountains, Karachayev-Cherkessiya Republ. Field Collection Number F-508.
- 9453 [SRCAMB AS-657] V Likhovidov. Isolated from soil sample. Sep 2005. Russian Federation: Tver Region. Field Collection Number F-1028.
- 9599 X Zou (6). [Lepidoptera: Noctuidae]. Rec'd 19 Jan 2010. PR China: Guizhou Province.
- 10277 DJ Bruck (IP-780) and J Fisher. Rhizosphere of blueberry crop. 21 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.
- 10278 DJ Bruck (IP 951) and J Fisher. Rhizosphere of blueberry crop. 21 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.
- 10279 DJ Bruck (IP 957) and J Fisher. Rhizosphere of grape crop. 5 Aug 2009. USA: Polk County, Oregon.
- 10280 DJ Bruck (IP 969) and J Fisher. Rhizosphere of blueberry crop. 31 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.
- Beauveria caledonica*** Bissett & Widden  
[Sordariomycetes: Hypocreales]  
Cordycipitaceae
- 
- 1567 S Keller (D156). [Coleoptera: Scolytidae]. 14 Aug 1984. Switzerland: Siblingen, Schaffhausen. Identification verified genomically.
- 2251 IMI ← HC Evans (Ro 596). Adult, [Coleoptera]. Feb 1980. Brazil: Belém, Pará. Identification verified genomically.
- 2567 CCFC (DAOM 191855) ← P Widden. Natural heather moors, A1 horizon. Rec'd 17 May 1988. Scotland: Banchory, Grampian. CULTURE EX TYPE.
- 4302 [DAT 333] AC Rath (F333) ← H Yip (HY26). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania. Identification verified genomically.
- 7117 WK Reeves. [Orthoptera: Gryllacrididae]. 4 Apr 2003. USA: Rusty's Cave, Dade County, Georgia. Identification verified genomically.
- 8024 NV Meyling (KVL 03-70). *Amphimallon solstitialis* [Coleoptera: Scarabaeidae] from soil. 12 Jul 2000. Denmark: Jægerspris, Zealand. Identification verified genomically.
- Beauveria kipukae*** SA Rehner & Humber  
[Sordariomycetes: Hypocreales]  
Cordycipitaceae. Defined primarily by genotypic characters
- 
- 7032 RG Hollingsworth (KNF2002-1). [Homoptera: Delphacidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii. EX-TYPE ISOLATE; species defined by genomic characters.
- Beauveria malawiensis*** SA Rehner & Aquino de Muro  
[Sordariomycetes: Hypocreales]  
Cordycipitaceae
- 
- 4755 [DAT 367] AC Rath (F367) ← H Yip (HY227). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania. Identification verified genomically.
- 7760 [IMI 228343] *Phoracantha semipunctata* [Coleoptera: Cerambycidae]. 4 May 1978. Malawi: Zomba, Southern. CULTURE EX TYPE.

## Fungal Cultures

### *Beauveria pseudobassiana* *Microhilum oncoperae*

#### *Beauveria pseudobassiana* (sp. nov.,unpubl.)

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

- 1855 P Spencer and HS Whitney (R640). Adult, *Ips* sp. [Coleoptera: Scolytidae]. Jul 1984. Canada: Christina Lake, British Columbia. Identification verified genomically.
- 2997 MS Goettel. *Vespa vulgaris* [Hymenoptera: Vespidae]. 24 Feb 1990. Canada: Lethbridge, Alberta. Identification verified genomically.
- 3216 LK Rieske. *Thrips calcaratus* [Thysanoptera: Thripidae]. Summer 1991. USA: Rusk County, Wisconsin. Identification verified genomically.
- 3220 LA Lacev. *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd Feb 1991. Portugal. Identification verified genomically.
- 3405 AE Hajek (18). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: Koontz Lokey, Page County, Virginia. EX-TYPE ISOLATE for species defined genomically.
- 3529 AE Hajek (73a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: Resurrection, Prince Georges County, Maryland. Identification verified genomically.
- 4933 LA Lacev (95035). *Tomicus minor* [Coleoptera: Scolytidae] *Pinus nigra*. 4 Apr 1995. France: Saint-Etienne, de Gourgas. Identification verified genomically.
- 6229 [RCEF 0231] Adult, [Coleoptera: Scolytidae (Tribe Ipini)]. 8 Aug 1996. PR China: Guizhou Province. Identification verified genomically.
- 7242 JM Sung (EFCC 1440). [Hymenoptera]. 25 Jul 1997. Republic of Korea: Odae Mt., Kangwon-do. Identification verified genomically.
- 8045 LB Flor and TJ Kurtti. *Ixodes scapularis* [Acari: Ixodidae]. 22 Nov 2002. USA: St. Croix, Minnesota.
- 8046 LB Flor (SCIs3) and TJ Kurtti. *Ixodes scapularis* [Acari: Ixodidae]. 22 Nov 2002. USA: St. Croix, Minnesota. Single spore isolate of ARSEF 8045. GenBank ITS sequence: DQ679897, GenBank EF1 sequence: DQ679900.

#### *Beauveria sungii* SA Rehner & Humber

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

- 1685 M Shimazu (F-450). *Lachnostenra morosa* [Coleoptera: Scarabaeidae]. Acc'd 2 Nov 1984. Japan: Ibaraki Prefecture. EX-TYPE ISOLATE for species defined genomically.
- 5689 JM Sung (KEFC-251). [Coleoptera: Scarabaeidae]. 20 Aug 1993. Republic of Korea: Gal-Cheon, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.

7043 JM Sung (KEFC-3530). Rec'd 19 Jun 2002. From teleomorph morphologically resembling *Cordyceps staphylinidaecola*. Identification of anamorph verified genomically.

7044 JM Sung (KEFC-3549). Rec'd 19 Jun 2002. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.

7279 JM Sung (EFCC 5014). [Coleoptera: Chrysomelidae]. 11 Jul 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.

7280 JM Sung (EFCC 5657). [Coleoptera: Chrysomelidae]. Aug 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.

7281 JM Sung (EFCC 5884). [Hymenoptera]. 24 Aug 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.

#### *Beauveria varroae* SA Rehner & Humber

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

2694 [IMI 328059] C Prior. *Larinus* sp. [Coleoptera: Curculionidae]. Rec'd 19 Mar 1989. Switzerland. Identification verified genomically.

8257 WG Meikle and G Mercadier (EBCL 05007). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Montdardier, Gard. EX-TYPE ISOLATE for species defined genomically.

8259 WG Meikle and G Mercadier (EBCL 05012). *Varroa destructor* [Acari: Varroidae]. 4 Jul 2005. France: Ur, Pyrénées-Orientales. Identification verified genomically.

#### *Beauveria vermiconia* de Hoog & Rao

[Sordariomycetes: Hypocreales]

Cordycipitaceae

2922 CBS (645.74). Volcanic ash soil. 1974. Chile: Valdivia, Los Lagos. CULTURE EX TYPE.

#### *Microhilum oncoperae* Yip & Rath

[Sordariomycetes: Hypocreales]

Cordycipitaceae

4358 [DAT 424] AC Rath (F424) ← Harradine. Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. Rec'd 6 Jun 1994. Australia: Melton Vale, York Plains, Tasmania.

4767 [DAT 416] AC Rath (F416). Larva, *Oncopera intrucata* [Lepidoptera: Hepialidae]. 17 May 1989. Australia: Charleston, R., Wilmot, Tasmania.

- 4768 [DAT 417] AC Rath (F417). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Apr 1989. Australia: Auburn Rd., Ross, Tasmania.
- 4769 [DAT 420] AC Rath (F420). *Oncopera intricata* [Lepidoptera: Hepialidae]. Acc'd 20 Jul 1989. Australia: Rosehill, Jericho, Tasmania. Appears contaminated with a possible Fusarium sp.
- 4770 [DAT 421] AC Rath (F421). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Jul 1989. Australia: Rosehill, Jericho, Tasmania.
- 4771 [DAT 422] AC Rath (F422). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Sep 1989. Australia: Jericho, Tasmania.

***Sporothrix* sp.**

[Sordariomycetes: Ophiostomatales]  
Ophiostomataceae

- 1908 MC Rombach (5). *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.
- 6341 [CIAT 013] D Peck. Adult, 12 May 1999. Brazil: Lagiardo Farm, Botucatu, São Paulo.
- 7038 RG Hollingsworth (KNF2002-8). [Homoptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.
- 7042 RG Hollingsworth (KNF2002-13). [Homoptera: Delphacidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.
- 10230 SR Sánchez Peña. Adult, *Diaphorina citri* [Homoptera: Psyllidae] on *Murraya paniculata* (L.) Jack, orange jessamine. 10 Nov 2009. Mexico: Gutiérrez Zamora, Veracruz.

***Sporothrix ghanensis* de Hoog & HC Evans**

[Sordariomycetes: Ophiostomatales]  
Ophiostomataceae

- 9500 [SRCAMB VL-2061] V Likhovidov. [Homoptera: Coccoidea]. 1998. Russian Federation: Sochi District, Krasnodarsky Krai. Field Collection Number F-883.

***Sporothrix insectorum* de Hoog & HC Evans**

[Sordariomycetes: Ophiostomatales]  
Ophiostomataceae

- 2909 CBS (770.73) ← HC Evans. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve.
- 2918 CBS (756.73) ← HC Evans. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve. CULTURE EX TYPE.
- 6286 [RCEF 0264] [Lepidoptera]. Rec'd 24 Aug 1999. PR China: Qinghan.
- 7924 KT Hodge ← AE Hajek. Larva, [Lepidoptera]. Aug 2005. USA: Carlo Creek, near Denali National Park, Denali Borough, Alaska.

- 9501 [SRCAMB VL-2051] V Likhovidov. [Lepidoptera: Pyralidae]. 2004. Russian Federation: Novosibirsk Region. Field Collection Number F-880.
- 9502 [SRCAMB VL-2052] V Likhovidov. Adult, *Carabus* sp. [Coleoptera: Carabidae]. 1993. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-890.

***Tritirachium isariae* (Petch) de Hoog**  
[Hyphomycetes]

- 1425 S Balazy (1585a). Rec'd 19 May 1984. Location not specified.

## Host by Fungus

*Beauveria* sp.

*Beauveria bassiana*

### *Beauveria* sp.

[Araneida]

Unknown species 7582

[Araneida: Araneae]

Unknown species 5174 5187 6691

[Coleoptera]

Unknown species 5697 5831 7595

[Coleoptera: Buprestidae]

*Agrius planipennis* 8110 8111 8112

8113 8116 8117 8119 8120 8121

8122 8123 8124 8125 8126 8127

8128 8129 8130 8132 8133 8134

8135 8136 8137 8138 8139 8140

8141 8143 8144 8145 8146 8147

8148 8149 8150 8151 8152 8153

8154 8156 8158 8159 8160 8161

8164 8166 8167 8168 8169 8170

8171 8172 8173 8174 8175 8176

8177 8178 8180 8181 8182 8185

8186 8187 8188

[Coleoptera: Chrysomelidae]

*Basilepta fulvicornis* 8250

*Pachybrachis pallicornis* 547

[Coleoptera: Coccinellidae]

Unknown species 4853 5678 5833 7591

*Coccinella septempunctata* 4027

[Coleoptera: Curculionidae]

Unknown species 7463

*Anthonomus grandis* 1835

*Hypera postica* 1327

*Shirahoshizo insidiosus* 1681

[Coleoptera: Elateridae]

Unknown species 7580

[Coleoptera: Lampyridae]

Unknown species 5186

[Coleoptera: Scarabaeidae]

*Anomala cuprea* 1682

*Popillia japonica* 4390 4391 4392

*Xyloryctes jamaicensis* 2412

[Coleoptera: Scolytidae]

*Dendroctonus micans* 9272

*Tomicus pimperda* 4909 4910 4911

4912 4913 4914 4915 4916 4917

4918

[Coleoptera: Tenebrionidae]

*Tribolium castaneum* 5622

[Hemiptera: Miridae]

*Adelphocoris* 1195 1196 1197 1198

1199 1200 1201 1202 1203 1204

1205 1206 1207 1208 1209 1210

1211 1213 1214 1215 1216 1218

1219 1220 1221 1222 1224

[Hemiptera: Scutelleridae]

*Eurygaster* 5686

[Homoptera: Membracidae]

Unknown species 2164

[Hymenoptera: Apidae]

*Apis mellifera* 7589

[Hymenoptera: Formicidae]

*Formica rufa* 7597

*Solenopsis invicta* 3859

[Lepidoptera]

Unknown species 2998 5832 7579 7586

7587 7594 7598 9596

[Lepidoptera: Bombycidae]

*Bombyx mori* 1040

[Lepidoptera: Noctuidae]

*Mocis* 590

*Spodoptera frugiperda* 3289

[Lepidoptera: Pyralidae]

*Chilo infuscatellus* 1886

*Galleria mellonella* 5078 7562 7563

7564 7565 7566 7567 7960 8675

[Lepidoptera: Tortricidae]

*Cydia pomonella* 6533 6534 6535 6536

6537

[Orthoptera: Acrididae]

Unknown species 32 4197

### *Beauveria amorpha*

[Coleoptera: Cerambycidae]

*Psacothea hilaris* 1680

[Coleoptera: Curculionidae]

*Premnotrypes suturicallus* 1969

[Coleoptera: Scarabaeidae]

*Adoryphorus coulonii* 4149

*Anomala costata* 1676

*Popillia japonica* 4990

[Homoptera: Cicadellidae]

*Nephrotettix bipunctata cincticeps* 656

[Hymenoptera: Formicidae]

*Pogonomyrmex occidentalis* 7542

*Solenopsis* 2641

[Lepidoptera]

Unknown species 6227

[Orthoptera: ?Gryllacrididae]

Unknown species 6376 6577

### *Beauveria amorpha*(?)

[Coleoptera: Cerambycidae]

*Anoplophora glabripennis* 6827

### *Beauveria asiatica*

[Coleoptera: Scarabaeidae]

*Holotrichia parallela* 4384 4474

### *Beauveria australis*

[Orthoptera: Acrididae]

Unknown species 4580 4622

### *Beauveria bassiana*

[Acari: Ixodidae]

Unknown species 6967

*Ixodes scapularis* 6897

[Acari: Varroidae]

*Varroa destructor* 8254 8255 8256 8258

[Araneida]

Unknown species 9446

[Araneida: Araneae]

Unknown species 5172 5173 6690

[Artiodactyla: Bovidae]

*Ovis aries* 7770

[Coleoptera]

Unknown species 293 301 350 754 1980

3197 3198 3199 4382 5668 5979

6559 6560 6692 6693 6695 6696

6697 7164 7470 7972 9444 10347

[Coleoptera: Anthicidae]

*Anthicus floralis* 157

[Coleoptera: Anthribidae]

*Araecerus fasciculatus* 413

[Coleoptera: Bruchidae]

*Caryedon serratus* 1186

[Coleoptera: Buprestidae]

Unknown species 6499

*Agrilus planipennis* 8771 8772 8773

8774

[Coleoptera: Carabidae]

Unknown species 952 1975 3386 6059

6099 6689 7241 7270 7581

*Amara familiaris* 4034

*Amara plebeja* 4031

*Bembidion lampros* 4032

[Coleoptera: Cerambycidae]

Unknown species 318 319 785 2557

5072 6721 7251 7261 7266 7275

9442

*Anoplophora glabripennis* 6387 6390

6391 6393 7152 7153 7154 7155

7156 7157 7158 7159 7166 7167

7168 7169 7170 7171 7172 7173

7174 7175 7176 7177 7178 7179

8412 8413 8414

*Aromia moschata* 1559 1560 1561 1562

1563

*Dectes texanus* 6471

*Enaphalodes rufulus* 7404

*Moechotypa diphysis* 1678

*Monochamus alternatus* 1679

*Monochamus scutellatus* 7162 7163

*Ortholeptura valida* 5997

*Plectrodera scalator* 7160 7161 7165

*Psacothea hilaris* 1041

[Coleoptera: Chrysomelidae]

Unknown species 504 751 1971 7244

7247 7271 7272 8835 8836 10350

*Cerotoma* 951 1458 1467

*Cerotoma arcuata* 731 732 756 931 934

2075

*Crimissa* 786 788 805

*Crimissa cruralis* 4001

*Diabrotica* 721 946 947 948 949 950

956 982 2512 2938 2942 3219 3287

*Diabrotica balteata* 3309

*Diabrotica barberi* 2579

*Diabrotica paranaensis* 739 752 758

809 937 938

*Diabrotica speciosa* 928 958 1060 1453

1454 1455 1456 1459 1460 1461

1462 1463 1464 1465 1466 1469

1470 1471 1472 1473 1475 1476

1954 1961 2511 2515 2520 2625

2626 8373

*Diabrotica undecimpunctata* 201

*Diabrotica virgifera* 2330 3111

*Diabrotica virgifera virgifera* 9297

9298 9299 9300 9301 9302

*Galerucella* sp. 5465

*Galerucina* 2463

*Leptinotarsa decemlineata* 149 252 317

340 344 353 384 505 506 507 509

510 534 535 1039 1079 1081 1106

1619 1620 1621 1622 1623 1624

1704 1705 1706 1707 1708 1709

1710 1711 1712 1713 1721 1722

1723 1749 1750 1775 1776 1777

1778 1779 1780 1781 1982 2030

2031 2032 2695 2987 2988 2989

2990 2991 5286 5533 5534 5535

5536 5537 5807 5813 6986 6987 6988 8998 9441	<i>Premnotrypes vorax</i> 2248 <i>Rhynchites aequatus</i> 8037 <i>Rhynchites baccus</i> 8668 <i>Rhynchophorus ferrugineus</i> 6903 <i>Sitona</i> 1647 3063 8077 <i>Sitona discoideus</i> 816 1153 1154 1155 1163 1164 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1183 1185 1188 1189 1190 1191 1309 1311 1312 1313 1811 1815 1816 1817 1818 1819 1820 1821 <i>Sitona humeralis</i> 1491 <i>Sitona lineatus</i> 1156 1157 1158 1159 1160 1161 1162 1165 1167 1168 1169 1170 1182 1192 1193 1194 1306 4013 4015 4016 4019 4021 4041 <i>Sitophilus</i> 7764 7773 7774 <i>Sternechus subsignatus</i> 1450	5486 5487 5488 5489 5490 6526 6527 6528 6529 6530 6531 6532 7758 <i>Ips stenographus</i> 6900 <i>Ips typographus</i> 7525 7526 <i>Tomicus minor</i> 5070 5071
<i>Lilioceris lili</i> 5195 <i>Maeclaspis monrosi</i> 2509 <i>Notonata</i> 3437 3438 3439 3441 3442 3444 3446 3447 3450 3451 3452 3455 <i>Odontota dorsalis</i> 5553 <i>Paropsis charybdis</i> 3066 <i>Pyrrhalta luteola</i> 1509 1510 1511 1518 1519 <i>Pyrrhalta viburni</i> 9449 <i>Systema</i> 2079 <i>Xanthogaleruca luteola</i> 5501	[Coleoptera: Chrysomelidae: Hispinae] Unknown species 8494 [Coleoptera: Coccinellidae] Unknown species 6055 6061 6062 6063 6074 6075 6092 6095 6111 6112 <i>Coccinella</i> 2033 2034 <i>Coccinella septempunctata</i> 2580 3534 4018 <i>Coleomegilla maculata</i> 1956 <i>Cyclonedra sanguinea</i> 2010 8372 8462 8463 <i>Hippodamia convergens</i> 4973 4974 4975 [Coleoptera: Cucujidae: Silvaninae] <i>Ahasverus advena</i> 5857 [Coleoptera: Curculionidae] Unknown species 930 1061 2040 3667 4052 6216 6217 7202 7466 7471 7769 7978 8520 8521 8522 8523 8524 8525 8526 8530 8705 <i>Anthonomus grandis</i> 1966 2559 2638 2639 2945 2946 3097 7795 <i>Anthonomus musculus</i> 3037 <i>Apion</i> 4023 <i>Aracanthus</i> 753 <i>Ceutorhynchus litura</i> 3403 <i>Chalcodermus</i> 941 942 943 953 <i>Chalcodermus aeneus</i> 336 337 733 734 735 736 738 <i>Conotrachelus nenuphar</i> 1016 8260 8261 8262 8263 <i>Cosmopolites</i> 1833 <i>Cosmopolites sordidus</i> 1483 4798 4799 <i>Curculio caryae</i> 2676 <i>Cyrtepistomus castaneus</i> 2270 <i>Diaprepes abbreviata</i> 412 416 433 <i>Geraeus senilis</i> 3310 3311 <i>Heilipodus erythropus</i> 8461 <i>Hypera postica</i> 1389 1398 1399 1515 4038 4049 <i>Listronotus oregonensis</i> 2983 2984 2985 2986 <i>Metamasius</i> 842 <i>Metamasius callizona</i> 5986 <i>Metamasius hemipterus</i> 2642 <i>Oryzophagus oryzae</i> 3098 <i>Otiorhynchus ligustici</i> 6884 6885 <i>Otiorhynchus sulcatus</i> 813 814 815 1073 1074 1075 3065 6552 7763 8078 <i>Phylctinus callosus</i> 8756 8757 <i>Premnotrypes latithorax</i> 5983 5984	[Coleoptera: Staphylinidae] Unknown species 3112 4055 <i>Anonylus rugosus</i> 4051 4056 <i>Anonylus</i> sp. 4046 <i>Gyrohypnus angustatus</i> 4054 <i>Tachyporus</i> sp. 4028 [Coleoptera: Tenebrionidae] Unknown species 757 783 787 6057 6064 6077 6078 6096 6113 6478 6483 <i>Alphitobius diaperinus</i> 5836 5838 5839 5840 5843 7941 <i>Pterohelaeus darlingensis</i> 8065 <i>Tenebrio molitor</i> 5623 8038 [Coleoptera: Adephaga] Unknown species 5672 [Collembola: Sminthuridae] <i>Sminthurus viridis</i> 5853 [Crocodylia: Alligatoridae] <i>Alligator mississippiensis</i> 2455 [Dermaptera] Unknown species 796 5495 5496 5991 7252 [Dermaptera: Forficulidae] <i>Doru lineare</i> 8374 8465 <i>Forficula africana</i> 5650 5651 5652 <i>Forficula auricularia</i> 3018 [Dictyoptera: Mantidae] Unknown species 7236 7238 [Diptera] Unknown species 1962 2454 7269 8707 8712 10141 10149 [Diptera: Anthomyiidae] <i>Delia antiqua</i> 1864 1865 1866 <i>Delia radicum</i> 1151 4012 6553 6555 6563 6564 6568 <i>Pegoplatia aestiva</i> 8031 [Diptera: Calliphoridae] <i>Calliphora</i> 1630 [Diptera: Ephydriidae] Unknown species 6567 <i>Scatella tenuicosta</i> 8245 8246 8247 [Diptera: Muscidae] Unknown species 1955 10142 <i>Haematobia irritans</i> 5862 5864 5865 5866 5867 <i>Musca autumnalis</i> 1514 <i>Musca domestica</i> 2953 5339 5340 5341 5342 5343 5344 5345 5346 5347 5861 5863 7049 7940 [Diptera: Psychodidae] <i>Phlebotomus papatasii</i> 2972 [Diptera: Sciaridae] Unknown species 6566 [Diptera: Tachinidae] Unknown species 1150 [Diptera: Tipulidae] <i>Tipula paludosa</i> 6565 [Hemiptera] Unknown species 5978

[Hemiptera: Anthocoridae] <i>Anthocoris nemorum</i> 8028	10354 10355 10356 10357 10358 10359 10360 10361 10362	[Homoptera: Membracidae] Unknown species 3312 3999
[Hemiptera: Coreidae] <i>Leptoglossus fulvicornis</i> 3086	[Hemiptera: Tingidae] <i>Corythucha ciliata</i> 812 <i>Leptopharsa heveae</i> 7984 8637 8638	<i>Kronides</i> 7468 <i>Spissistilus festinus</i> 8318
[Hemiptera: Lygaeidae] Unknown species 8706 <i>Blissus leucopterus</i> 792 2430 <i>Nysius vinitor</i> 300 <i>Scolopostethus affinis</i> 8027	[Heteroptera] Unknown species 4057 [Heteroptera: Miridae] Unknown species 4035 <i>Lygus sp.</i> 4053	[Homoptera: Pseudococcidae] <i>Rhizoecus</i> 2236
[Hemiptera: Mesoveliidae] <i>Mesovelia mulsanti</i> 320	[Homoptera] Unknown species 7583	[Hymenoptera] Unknown species 7239 7254 7257 7259 7265
[Hemiptera: Miridae] Unknown species 3449 3454 3456 <i>Adelphocoris</i> 1516 1517 1523 1524 1525 1526 1527 1528 1529 1531 1533 1534 1535 1536 1537 1538 1539 1540 1635 1636 1637 1638 1640 1643 1650 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801	[Homoptera: Adelgidae] <i>Adelges tsugae</i> 5170 5171 5767 5768 5769 5770 5796 6027	[Hymenoptera: ?Megachilidae] Unknown species 957
<i>Leptopterna dolabrata</i> 8036 <i>Liocoris tripustulatus</i> 8025 <i>Lygus</i> 886 1394 1395 1396 1397 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1520 1521 1648 1649 1802 1803 1804 1805 1806 1807 1808 1809 1810 1812 1813 1814 1822 2318 2319 2320 2321 2322 2458 2462	[Homoptera: Aleyrodidae] <i>Bemisia tabaci</i> 4981 4982 4983 4984 5274 5275 5276 5277 5278 5279 5280 5281 5282 5283 5284 5285 5287 5288 5289 5290 5291 5292 5293 5294 5295 5296	[Hymenoptera: Apidae] <i>Apis mellifera</i> 5989 7596 9447 <i>Bombus</i> 7201
<i>Lygus ?lineolaris</i> 1317 1318 1319 1320 1321 1322 1323 1324 1325	<i>Trialeurodes vaporariorum</i> 6920 6921 6922 6923 6924 9451	[Hymenoptera: Apoidea] Unknown species 955
<i>Lygus hesperus</i> 6660 6661 <i>Lygus lineolaris</i> 3769 5808 8317 8889 <i>Lygus pratensis</i> 2461 <i>Notostira elongata</i> 8029 8030 <i>Stenodema laevigatum</i> 8026	[Homoptera: Aphididae] Unknown species 3120 3121 4523 4524 <i>Aphis gossypii</i> 5493 5494 <i>Diuraphis noxia</i> 2861 2864 2879 2882 3153 3154 3155 3156 3157 3158 3166 3167 3168 3169 3215 3867 3890 3891 3892 3905 3906 3907 3908 4099 4100 4101 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121 4462 4463 4464 4691 4692 4693 4694 4695 4696 4697 4976 4977 4978 4979 5705 6968 6969 6978 6979 6980	[Hymenoptera: Cephidae] <i>Cephus</i> 6793 6794 6795
[Hemiptera: Nabidae] <i>Nabis</i> 1988	<i>Myzus persicae</i> 3385	[Hymenoptera: Diprionidae] <i>Diprion pini</i> 338
[Hemiptera: Pentatomidae] Unknown species 737 944 1973 1974 1984 6722	<i>Rhopalosiphum padi</i> 6970	[Hymenoptera: Eurytomidae] <i>Bephratelloides cubensis</i> 2869
<i>Acanthosoma labiduroides</i> 7240 7246 7273	<i>Schizaphis graminum</i> 2336 2860 2880 2881 2883	[Hymenoptera: Formicidae] Unknown species 1960 2487 5069 7260 <i>Atta</i> 1831 3285
<i>Aelia</i> 6093	[Homoptera: Cercopidae] <i>Deois flavopicta</i> 806 3019	<i>Atta mexicana</i> 2484 2485 2486
<i>Dolycorus</i> 6404 6426	<i>Zulia carbonaria</i> 6459	<i>Myrmica rubra</i> 7533 7534
<i>Euschistus heros</i> 1478	<i>Zulia entreriana</i> 477	<i>Pogonomyrmex occidentalis</i> 7540 7541
<i>Nezara viridula</i> 1054 1474 2011 2457 2516 4092 4093	[Homoptera: Cicadellidae] Unknown species 945 7590 8710 8711 9443	<i>Solenopsis</i> 2722 2723
<i>Oebalus poecilus</i> 2191	<i>Balauch melanocephala</i> 7464 7465 7467 7469 8370 8459 8460 8528 8529	<i>Solenopsis invicta</i> 2401 2402 2403 2404 5956 5957 5960 5961 5962 5967 5973 5974
<i>Podisus</i> 1457 2519	<i>Molopopterus theae</i> 6982	<i>Solenopsis quinquecuspis</i> 5966 5968
<i>Tibraca limbaticollis</i> 933 4091	<i>Nephrotettix bipunctata cincticeps</i> 708 1553 1554 1555 1556	<i>Solenopsis saevissima</i> 5958 5963 5965 5969
[Hemiptera: Reduviidae] <i>Triatoma infestans</i> 7147	<i>Nephrotettix cincticeps</i> 1098	<i>Solenopsis xyloni</i> 5970 5971 5972
[Hemiptera: Rhopalidae] <i>Leptocoris</i> 560 566	<i>Pawiloma victimae</i> 8371	[Hymenoptera: Formicidae: Myrmicinae] Unknown species 1976 1977 1978 1979
<i>Leptocoris oratorius</i> 1269 1270	[Homoptera: Cicadidae] Unknown species 2544 7256 7258	[Hymenoptera: Ichneumonidae] Unknown species 156 9448
[Hemiptera: Scutelleridae] <i>Eurygaster</i> 5665 5674 5724 5725 5753 5762 6008 6009 6011 6013 6014 6015 6016 6019 6022 6039 6040 6041 6042 6043 6056 6060 6065 6066 6067 6069 6070 6072 6073 6076 6079 6083 6086 6087 6088 6089 6090 6091 6115 6149 8932 10348 10349 10351 10352 10353	[Homoptera: Cixiidae] <i>Oliarus dimidiatus</i> 7776	[Hymenoptera: Megachilidae] Unknown species 7377 7378
	[Homoptera: Coccoidae] Unknown species 6723	[Hymenoptera: Pamphiliidae] Unknown species 7519 7520 7521 <i>Pamphilus betulae</i> 152 154
	[Homoptera: Delphacidae] <i>Nilaparvata lugens</i> 654 679 709 714 717 719 2427 7592	[Hymenoptera: Pergidae] <i>Lophyrotoma zonalis</i> 8753
		[Hymenoptera: subord. Symphyta] Unknown species 5985
		[Hymenoptera: Vespidae] Unknown species 730 1953 2943 2944 <i>Polistes</i> 6513
		[Hymenoptera: Superfamily Apoidea] Unknown species 1468
		[Isoptera: Rhinotermitidae] <i>Coptotermes formosanus</i> 6906 6907 6908
		<i>Reticolitermes flavipes</i> 3041
		[Lepidoptera] Unknown species 2633 2637 2857 6109 6557 7274 7585 7593 8709 9445
		[Lepidoptera: Arctiidae] <i>Hyphantria cunea</i> 1564 1565
		[Lepidoptera: Bombycidae] <i>Bombyx mori</i> 302 303 304 305 718 1007 2737 5704

[Lepidoptera: Brassolidae] Brassolis sophorea 2619 6514	<i>Galleria mellonella</i> 1113 1114 5370 5510 5557 6147 6148 6556 6894	[Orthoptera: Gryllotalpidae] <i>Scapteriscus vicinus</i> 5977
[Lepidoptera: Cossidae] <i>Cossula cossus</i> 1103 1104 1558	6904 6905 6931 6932 6933 6934	[Orthoptera: Tettigoniidae] <i>Anabrus simplex</i> 7379 7380
<i>Zeuzera pyrina</i> 1105	6935 6936 6937 6938 6939 6940	[Orthoptera: Tettigonioidae] Unknown species 6234
[Lepidoptera: Danaidae] <i>Danaus plexippus</i> 7093 8891	6941 6943 6949 6950 6951 6952	[Perissodactyla: Equidae] <i>Equus ferus caballus</i> 7771 7772
[Lepidoptera: Eupterotidae] Unknown species 6984	6953 7060 7356 7357 7358 7359	[Primates: Hominidae] <i>Homo sapiens</i> 8601 8602
[Lepidoptera: Geometridae] <i>Isturgia exerrariae</i> 6972 6973	7362 7364 7365 7552 7553 7554	[Thysanoptera: Phlaeothripidae] <i>Haplothrips tritici</i> 4200
[Lepidoptera: Hepialidae] <i>Oncopera</i> 4273	7955 7956 7957 7958 7959 7963	[Thysanoptera: Thripidae] Unknown species 9927
<i>Oncopera alboguttata</i> 4589 4607 8493	7964 7965 7966 7968 8032 8033	<i>Frankliniella occidentalis</i> 3995 3996
<i>Oncopera intricata</i> 4258 4672	8035 8039 8040 8339 8340 8343	9587 9588
[Lepidoptera: Hyblaeidae] <i>Hyblaea puer</i> 2597	8349 8354 8355 8431 8444 8661	<i>Taeniothrips inconsequens</i> 10138
[Lepidoptera: Incurvariidae] <i>Paraclemensia acerifoliella</i> 5492	8663 8664 8666 8667 8670 8672	10139 10140 10143 10144 10145
[Lepidoptera: Lasiocampidae] <i>Dendrolimus spectabilis</i> 1677	8673 8674	10147 10148
<i>Malacosoma americanum</i> 1	<i>Gymnancyla canella</i> 6796	<b>Beauveria bassiana(?)</b>
[Lepidoptera: Lymantriidae] <i>Lymantria dispar</i> 155 299 2054 2267	<i>Ostrinia nubilalis</i> 501 502 533 652	[Chelonia: Emydidae] <i>Trachemys scripta</i> 5990
2570 2571 2572 2573 2831 3404	1038 1121 2976	[Coleoptera: Chrysomelidae] Unknown species 6890 6891
3527 3528 3530 6205	<i>Terastia meticulosa</i> 1836	[Coleoptera: Scolytidae] <i>Dendroctonus micans</i> 9271
<i>Lymantria dissoluta</i> 6233	[Lepidoptera: Saturniidae] Unknown species 843	[Hemiptera: Scutelleridae] <i>Eurygaster</i> 5684
[Lepidoptera: Lyonetiidae] <i>Leucoptera coffeeella</i> 6801 6802 6803	<i>Opodiphthera eucaalypti</i> 8843	[Homoptera: Adelgidae] <i>Adelges tsugae</i> 5815 5816 5817 5818
6804 6805 6806 6807 6808 6809	<i>Schirius</i> 2962	[Homoptera: Aphidiidae] <i>Diuraphis noxia</i> 6608
<i>Leucoptera scitella</i> 1115 1117	[Lepidoptera: Sesiidae] <i>Monopetalotaxis doleriformis</i> 6971	[Hymenoptera: Formicidae] <i>Solenopsis invicta</i> 5959
[Lepidoptera: Noctuidae] Unknown species 1627 1628 1629	6974 6975 6976 6977 6981	[Lepidoptera: Pyralidae] <i>Eldana saccharina</i> 5644
<i>Autographa gamma</i> 2253 2254	<i>[Lepidoptera: Tortricidae]</i>	<i>Galleria mellonella</i> 6892
<i>Helicoverpa</i> 8066	Unknown species 5169	<b>Beauveria brongniartii</b>
<i>Helicoverpa armigera</i> 1149 1166	<i>Choristoneura</i> 1850	[Coleoptera]
<i>Helicoverpa virescens</i> 1314 1315 1316	<i>Cydia pomonella</i> 151 1122 3972 3973	Unknown species 2660
1788	3974 3975 3977 3978 3979 5064	[Coleoptera: Carabidae]
<i>Panolis flammea</i> 6100 6101 6177 6178	5066 5067 5229 5230 5231 5233	Unknown species 7268
<i>Sesamia calamistis</i> 5649 5654	5234 5235 5886 5887 5888 6181	[Coleoptera: Cerambycidae] <i>Anoplophora malasiaca</i> 6235 6412
<i>Sesamia cretica</i> 1118	6182 6184 6185 6186 6187 6189	<i>Niphonoclea</i> 1431
<i>Simyra henrici</i> 5988	6191 6194 6195 6196 6201 6208	[Coleoptera: Curculionidae] Unknown species 6213 6214 6215
<i>Spodoptera frugiperda</i> 3288	6209 7969	<i>Cyrtopistomus castaneus</i> 2271
<i>Spodoptera littoralis</i> 1512 1513 3286	<i>Hedya nubiferana</i> 6199	[Coleoptera: Elateridae] Unknown species 9452
<i>Spodoptera litura</i> 6646 6647 6648 6650	<i>Lobesia botrana</i> 1107 1110	[Coleoptera: Scarabaeidae] Unknown species 4380 4381
[Lepidoptera: Noctuidae: Plusiinae] Unknown species 3937	<i>Rhyacionia frustrana</i> 5573	<i>Anomala costata</i> 985
[Lepidoptera: Olethreutidae] <i>Carpocapsa pomonella</i> 503	[Lepidoptera: Yponomeutidae] <i>Yponomeutidae</i> 3965 3966 3967 3968	<i>Costelytra zealandica</i> 3054 7761
[Lepidoptera: Phycitinae] <i>Emmalocera depressella</i> 2417	3969 3970	<i>Holotrichia parallela</i> 4385 4386 4388
[Lepidoptera: Plutellidae] <i>Plutella xylostella</i> 2727 2728 2729 4525	[Neuroptera: Chrysopidae] <i>Chrysopa</i> 153	4465 4466 4467 4468 4469 4470
4526 4527 4528 4529 4530 4531	[Odonata: suborder Anisoptera] Unknown species 4688	4471 4472 4473 4475 4476 4477
4532 4533 4534 4535 4536 4537	[Orthoptera]	<i>Melolontha</i> 5355 5356 5357 5358 5359
4538 4539 4540 4543 6150 6151	Unknown species 3622 6231 8704 9598	5360 5361 5362 5363 5364
6152 6153	[Orthoptera: Acrididae] Unknown species 356 357 1053 1326	<i>Melolontha melolontha</i> 617 979 1067
[Lepidoptera: Pyralidae] <i>Acigona</i> sp. 5647 5648	1959 5737 5738 6230 6232 7030	1068 1069 1070 1071 1072 1076
<i>Chilo plejadellus</i> 326	7235 7250 8578 8579 8695	1077 7528
<i>Cnaphalocrocis medinalis</i> 2041	<i>Austracris guttulosa</i> 8751 8752	<i>Popillia japonica</i> 4389 4458 4992 4993
<i>Coniesta</i> sp. 5646	<i>Locusta migratoria</i> 8846	4994 4995
<i>Diatraea saccharalis</i> 1484 1832 1834	<i>Melanoplus</i> 3620 3866 3897 5273	
2629 3020 3858 5500 5502	<i>Melanoplus bivittatus</i> 8213	
<i>Dioryctria sylvestrella</i> 1001	<i>Oxyops vitiosa</i> 5987	
<i>Eldana saccharina</i> 5645 5653 5655	<i>Phaulacridium vittatum</i> 4150	
	<i>Rhammatocerus schistocercoides</i> 7983	
	<i>Schistocerca gregaria</i> 5633 5634 5635	
	5636 5637 5638 5639 5640 5641	
	5642 5643	
	[Orthoptera: Catantopidae] <i>Calliptamus italicus</i> 8694 8697	

[Coleoptera: Scolytidae] <i>Ips typographus</i> 4024	<b>Beauveria varroae</b> [Acoli: Varroidae] <i>Varroa destructor</i> 8257 8259
[Hemiptera: Scutelleridae] <i>Eurygaster</i> 6023	[Coleoptera: Curculionidae] <i>Larinus</i> 2694
[Homoptera: Cicadellidae] <i>Nephrotettix bipunctata cincticeps</i> 678	
[Homoptera: Cicadidae] <i>Magicicada septendecim</i> 7376	<b>Microhilum oncoperae</b> [Lepidoptera: Hepialidae] <i>Oncopera intricata</i> 4358 4769 4770 4771 <i>Oncopera intrucata</i> 4767 4768
[Hymenoptera: Formicidae] <i>Myrmica rubra</i> 7058	
[Lepidoptera: Castniidae] <i>Castnia licus</i> 1829	<b>Sporothrix sp.</b> [Homoptera: Cicadellidae] Unknown species 7038
[Lepidoptera: Noctuidae] Unknown species 9599	[Homoptera: Delphacidae] Unknown species 7042
[Lepidoptera: Pyralidae] <i>Diatraea saccharalis</i> 1830	<i>Nilaparvata lugens</i> 1908
Galleria mellonella 7555 7556 7557 7558 7559 7560 7561 8034	[Homoptera: Psyllidae] <i>Diaphorina citri</i> 10230
<b>Beauveria caledonica</b>	
[Coleoptera] Unknown species 2251	<b>Sporothrix ghanensis</b> [Homoptera: Coccoidea] Unknown species 9500
[Coleoptera: Scarabaeidae] <i>Amphimallon solstitialis</i> 8024	
[Coleoptera: Scolytidae] Unknown species 1567	<b>Sporothrix insectorum</b> [Coleoptera: Carabidae] <i>Carabus</i> 9502
[Orthoptera: Gryllacrididae] Unknown species 7117	[Hymenoptera: Formicidae] <i>Paltothyreus tarsatus</i> 2909 2918
<b>Beauveria kipukae</b>	[Lepidoptera] Unknown species 6286 7924
[Homoptera: Delphacidae] Unknown species 7032	[Lepidoptera: Pyralidae] Unknown species 9501
<b>Beauveria malawiensis</b>	
[Coleoptera: Cerambycidae] <i>Phoracantha semipunctata</i> 7760	
<b>Beauveria pseudobassiana</b>	
[Acoli: Ixodidae] <i>Ixodes scapularis</i> 8045 8046	
[Coleoptera: Scolytidae] <i>Ips</i> 1855	
	[Hymenoptera: Vespidae] <i>Vespula vulgaris</i> 2997
	[Lepidoptera: Lymantriidae] <i>Lymantria dispar</i> 3405 3529
	[Lepidoptera: Tortricidae] <i>Cydia pomonella</i> 3220
	[Thysanoptera: Thripidae] <i>Thrips calcaratus</i> 3216
<b>Beauveria sungii</b>	
[Coleoptera: Chrysomelidae] Unknown species 7279 7280	
[Coleoptera: Scarabaeidae] Unknown species 5689	
	[Hymenoptera] Unknown species 7281



**Animalia**

**Arthropoda • Arachnida**

**Acaria: Ixodidae**

Hungary  
*Beauveria bassiana* 6967  
*Ixodes scapularis*  
*Beauveria bassiana* 6897  
 USA, Minnesota  
*Beauveria pseudobassiana* 8045  
 8046

**Acaria: Varroidae**

*Varroa destructor*  
 France  
*Beauveria bassiana* 8254 8255 8256  
 8258  
*Beauveria varroae* 8257 8259

**Araneida**

Russian Federation  
*Beauveria bassiana* 9446  
*Beauveria* sp. 7582

**Araneida: Araneae**

Ethiopia  
*Beauveria bassiana* 6690  
*Beauveria* sp. 6691  
 USA, Vermont  
*Beauveria bassiana* 5172 5173  
*Beauveria* sp. 5174 5187

**Arthropoda • Entognatha**

**Collembola: Sminthuridae**

*Sminthurus viridis*  
 Denmark  
*Beauveria bassiana* 5853

**Arthropoda • Insecta**

**Coleoptera**

Argentina  
*Beauveria bassiana* 7470  
 Brazil, Goiás  
*Beauveria bassiana* 754  
 Brazil, Pará  
*Beauveria caledonica* 2251  
 Canada, British Columbia  
*Beauveria bassiana* 7972  
 Ethiopia  
*Beauveria bassiana* 6692 6693 6695  
 6696 6697  
 France  
*Beauveria bassiana* 1980  
 India  
*Beauveria brongniartii* 2660  
 Location not specified  
*Beauveria bassiana* 293 4382  
 Philippines  
*Beauveria bassiana* 3197 3198 3199

Poland  
*Beauveria bassiana* 301  
 PR China  
*Beauveria bassiana* 7164  
 Republic of Korea  
*Beauveria* sp. 5697  
 Russian Federation  
*Beauveria bassiana* 9444  
 Turkey  
*Beauveria bassiana* 5668 10347  
*Beauveria* sp. 5831  
 Ukraine  
*Beauveria* sp. 7595  
 United Kingdom  
*Beauveria bassiana* 6559 6560  
 USA, Florida  
*Beauveria bassiana* 5979  
 USA, New York  
*Beauveria bassiana* 350

**Coleoptera: Anthicidae**  
*Anthicus floralis*  
 Poland  
*Beauveria bassiana* 157

**Coleoptera: Anthribidae**  
*Araecerus fasciculatus*  
 USA, Florida  
*Beauveria bassiana* 413

**Coleoptera: Bruchidae**  
*Caryedon serratus*  
 France  
*Beauveria bassiana* 1186

**Coleoptera: Buprestidae**  
 Kyrgyz Republic  
*Beauveria bassiana* 6499  
*Agrilus planipennis*  
 USA, Michigan  
*Beauveria bassiana* 8771 8772 8773  
 8774  
*Beauveria* sp. 8110 8111 8112 8113  
 8116 8117 8119 8120 8121 8122  
 8123 8124 8125 8126 8127 8128  
 8129 8130 8132 8133 8134 8135  
 8136 8137 8138 8139 8140 8141  
 8143 8144 8145 8146 8147 8148  
 8149 8150 8151 8152 8153 8154  
 8155 8156 8158 8159 8160 8161 8164  
 8166 8167 8168 8169 8170 8171  
 8172 8173 8174 8175 8176 8177  
 8178 8180 8181 8182 8185 8186  
 8187 8188

**Coleoptera: Carabidae**  
 Brazil, Mato Grosso  
*Beauveria bassiana* 952  
 Ethiopia  
*Beauveria bassiana* 6689  
 France  
*Beauveria bassiana* 1975  
 Republic of Korea  
*Beauveria bassiana* 7241 7270  
*Beauveria brongniartii* 7268  
 Russian Federation  
*Beauveria bassiana* 7581

USA, Washington  
*Beauveria bassiana* 3386  
 Uzbekistan  
*Beauveria bassiana* 6059 6099  
*Amara familiaris*  
 Denmark  
*Beauveria bassiana* 4034  
*Amara plebeja*  
 Denmark  
*Beauveria bassiana* 4031  
*Bembidion lampros*  
 Denmark  
*Beauveria bassiana* 4032  
*Carabus* sp.  
 Russian Federation  
*Sporothrix insectorum* 9502

**Coleoptera: Cerambycidae**  
 Brazil, Ceará  
*Beauveria bassiana* 785  
 Ecuador  
*Beauveria bassiana* 2557  
 France  
*Beauveria bassiana* 5072  
 Mexico  
*Beauveria bassiana* 319  
 Republic of Korea  
*Beauveria bassiana* 6721 7251 7261  
 7266 7275  
 Russian Federation  
*Beauveria bassiana* 9442  
 USA, Rhode Island  
*Beauveria bassiana* 318  
*Anoplophora glabripennis*  
 PR China  
*Beauveria amorpha*(?) 6827  
*Beauveria bassiana* 6387 6390 7155  
 7156 7157 7166 7167 7168 7169  
 7170 7171 7172 7173 7174 7175  
 7176 7177 7178 8414  
 USA, Connecticut  
*Beauveria bassiana* 6393  
 USA, Illinois  
*Beauveria bassiana* 7152 7153 7154  
 USA, New York  
*Beauveria bassiana* 6391 7158 7159  
 7179 8412 8413  
*Anoplophora malasiaca*  
 Japan  
*Beauveria brongniartii* 6235 6412  
*Aromia moschata*  
 Italy  
*Beauveria bassiana* 1559 1560 1561  
 1562 1563  
*Dectes texanus*  
 USA, Kansas  
*Beauveria bassiana* 6471  
*Enaphalodes rufulus*  
 USA, Arkansas  
*Beauveria bassiana* 7404  
*Moechotypa diphysis*  
 Japan  
*Beauveria bassiana* 1678  
*Monochamus alternatus*  
 Japan  
*Beauveria bassiana* 1679

**Coleoptera: Cerambycidae****Coleoptera: Chrysomelidae: Hispinae****Fungus by Host and Location**

<i>Monochamus scutellatus</i>	Brazil, Goiás	France
USA, Michigan	<i>Beauveria bassiana</i> 956 2938 2942	<i>Beauveria bassiana</i> 149 384 1982
<i>Beauveria bassiana</i> 7162 7163	Brazil, Mato Grosso	Germany
<i>Niphonoclea</i> sp.	<i>Beauveria bassiana</i> 946 947 948 949	<i>Beauveria bassiana</i> 340
Philippines	950 982	Italy
<i>Beauveria brongniartii</i> 1431	Colombia	<i>Beauveria bassiana</i> 1106
<i>Ortholeptura valida</i>	<i>Beauveria bassiana</i> 721	Location not specified
USA, Oregon	Mexico	<i>Beauveria bassiana</i> 5286
<i>Beauveria bassiana</i> 5997	<i>Beauveria bassiana</i> 3287	Russian Federation
<i>Phoracantha semipunctata</i>	<i>Diabrotica balteata</i>	<i>Beauveria bassiana</i> 9441
Malawi	Mexico	USA, Maine
<i>Beauveria malawiensis</i> 7760	<i>Beauveria bassiana</i> 3309	<i>Beauveria bassiana</i> 252 353
<i>Plectrodera scalator</i>	<i>Diabrotica barberi</i>	USA, Maryland
USA, Michigan	USA, South Dakota	<i>Beauveria bassiana</i> 8998
<i>Beauveria bassiana</i> 7160 7161 7165	<i>Beauveria bassiana</i> 2579	USA, Michigan
<i>Psacothea hilaris</i>	<i>Diabrotica paranaensis</i>	<i>Beauveria bassiana</i> 5813
Japan	Brazil, Goiás	USA, New York
<i>Beauveria amorpha</i> 1680	<i>Beauveria bassiana</i> 739 752 758 809	<i>Beauveria bassiana</i> 534 535 1039
<i>Beauveria bassiana</i> 1041	Brazil, Mato Grosso	1081 1619 1620 1621 1622 1623
<b>Coleoptera: Chrysomelidae</b>	<i>Beauveria bassiana</i> 937 938	1624 1704 1705 1706 1707 1708
Australia	<i>Diabrotica speciosa</i>	1709 1710 1711 1712 1713 1721
<i>Beauveria bassiana</i> 8835 8836	Argentina	1722 1723 1749 1750 1775 1776
Brazil, Goiás	<i>Beauveria bassiana</i> 2515 8373	1777 1778 1779 1780 1781 2030
<i>Beauveria bassiana</i> 1971	Brazil, Alagoas	2031 2032 5533 5534 5535 5536
Mexico	<i>Beauveria bassiana</i> 1954	5537 6986 6987 6988
<i>Beauveria bassiana(?)</i> 6890 6891	Brazil, Bahia	USA, Rhode Island
Republic of Kazakhstan	<i>Beauveria bassiana</i> 1961	<i>Beauveria bassiana</i> 317
<i>Beauveria bassiana</i> 10350	Brazil, Goiás	USA, Washington
Republic of Korea	<i>Beauveria bassiana</i> 928 1476 2625	<i>Beauveria bassiana</i> 344 1079
<i>Beauveria bassiana</i> 7244 7247 7271	2626	Yugoslavia
7272	Brazil, Paraná	<i>Beauveria bassiana</i> 505 506 507 510
<i>Beauveria sungii</i> 7279 7280	<i>Beauveria bassiana</i> 958 1060 1453	Yugoslavia, Croatia
Vietnam	1454 1455 1461 1462 1463 1466	<i>Beauveria bassiana</i> 509
<i>Beauveria bassiana</i> 751	1469 2511 2520	<i>Lilioceris lili</i>
Yugoslavia, Serbia	Brazil, Rio Grande do Sul	<i>Beauveria bassiana</i> 5195
<i>Beauveria bassiana</i> 504	<i>Beauveria bassiana</i> 1456 1459 1460	<i>Maecolaspis monrosi</i>
<i>Basilepta fulvicornis</i>	1464 1465 1475	Argentina
India	Brazil, Santa Catarina	<i>Beauveria bassiana</i> 2509
<i>Beauveria sp.</i> 8250	<i>Beauveria bassiana</i> 1470 1471 1472	Notonata sp.
<i>Cerotoma</i> sp.	1473	Costa Rica
Brazil, Mato Grosso	<i>Diabrotica undecimpunctata</i>	<i>Beauveria bassiana</i> 3437 3438 3439
<i>Beauveria bassiana</i> 951	USA, Oregon	3441 3442 3444 3446 3447 3450
Brazil, Paraná	<i>Beauveria bassiana</i> 201	3451 3452 3455
<i>Beauveria bassiana</i> 1458	<i>Diabrotica virgifera</i>	Odontota dorsalis
Brazil, Santa Catarina	Mexico	<i>Beauveria bassiana</i> 5553
<i>Beauveria bassiana</i> 1467	<i>Beauveria bassiana</i> 2330	<i>Pachybrachis pallicornis</i>
<i>Cerotoma arcuata</i>	USA, Nebraska	Malaysia
Brazil, Amazonas	<i>Beauveria bassiana</i> 3111	<i>Beauveria sp.</i> 547
<i>Beauveria bassiana</i> 731 732 756	<i>Diabrotica virgifera virgifera</i>	Paropsis charybdis
Brazil, Bahia	Mexico	New Zealand
<i>Beauveria bassiana</i> 2075	<i>Beauveria bassiana</i> 9297 9298 9299	<i>Beauveria bassiana</i> 3066
Brazil, Goiás	9300 9301 9302	<i>Pyrrhalta luteola</i>
<i>Beauveria bassiana</i> 931 934	<i>Galerucella</i> sp.	France
<i>Crimissa</i> sp.	USA, Texas	<i>Beauveria bassiana</i> 1509 1510 1511
Brazil, Ceará	<i>Beauveria bassiana</i> 5465	1518 1519
<i>Beauveria bassiana</i> 786 788 805	<i>Galerucina</i> sp.	Pyrrhalta viburni
<i>Crimissa cruralis</i>	France	Russian Federation
Brazil, Ceará	<i>Beauveria bassiana</i> 2463	<i>Beauveria bassiana</i> 9449
<i>Beauveria bassiana</i> 4001	<i>Leptinotarsa decemlineata</i>	<i>Systema</i> sp.
<i>Diabrotica</i> sp.	Canada, Ontario	Brazil, Goiás
Brazil	<i>Beauveria bassiana</i> 5807	<i>Beauveria bassiana</i> 2079
<i>Beauveria bassiana</i> 3219	Canada, Québec	<i>Xanthogaleruca luteola</i>
Brazil, Amazonas	<i>Beauveria bassiana</i> 2987 2988 2989	Argentina
<i>Beauveria bassiana</i> 2512	2990 2991	<i>Beauveria bassiana</i> 5501
	Commonwealth of Independent States	<b>Coleoptera: Chrysomelidae: Hispinae</b>
	<i>Beauveria bassiana</i> 2695	<i>Beauveria bassiana</i> 8494

## Fungus by Host and Location

*Coleoptera: Coccinellidae*  
*Coleoptera: Curculionidae*

<b>Coleoptera: Coccinellidae</b>	Brazil, São Paulo <i>Beauveria bassiana</i> 1966 2559 2638 2639 2945 2946	<i>Larinus</i> sp. Switzerland <i>Beauveria varroae</i> 2694
Republic of Korea <i>Beauveria</i> sp. 4853	USA, Texas <i>Beauveria bassiana</i> 3097 7795	<i>Listronotus oregonensis</i> Canada, Québec <i>Beauveria bassiana</i> 2983 2984 2985 2986
Russian Federation <i>Beauveria</i> sp. 7591	<i>Anthonomus musculus</i> USA, Massachusetts <i>Beauveria bassiana</i> 3037	<i>Metamasius</i> sp. Colombia <i>Beauveria bassiana</i> 842
Turkey <i>Beauveria</i> sp. 5678 5833	<i>Apion</i> sp. Denmark <i>Beauveria bassiana</i> 4023	<i>Metamasius callizona</i> USA, Florida <i>Beauveria bassiana</i> 5986
Uzbekistan <i>Beauveria bassiana</i> 6055 6061 6062 6063 6074 6075 6092 6095 6111 6112	<i>Aracanthus</i> sp. Brazil, Ceará <i>Beauveria bassiana</i> 753	<i>Metamasius hemipterus</i> Brazil, Paraná <i>Beauveria bassiana</i> 2642
<i>Coccinella</i> sp. USA, New York <i>Beauveria bassiana</i> 2033 2034	<i>Ceutorhynchus litura</i> Location not specified <i>Beauveria bassiana</i> 3403	<i>Oryzophagus oryzae</i> Brazil, Rio Grande do Sul <i>Beauveria bassiana</i> 3098
<i>Coccinella septempunctata</i> Denmark <i>Beauveria bassiana</i> 4018 <i>Beauveria</i> sp. 4027	<i>Chalcodermus</i> sp. Brazil, Mato Grosso <i>Beauveria bassiana</i> 941 942 943 953	<i>Otiorhynchus ligustici</i> Hungary <i>Beauveria bassiana</i> 6884 6885
Location not specified <i>Beauveria bassiana</i> 3534	<i>Chalcodermus aeneus</i> Brazil, Goiás <i>Beauveria bassiana</i> 733 734 735 736 738	<i>Otiorhynchus sulcatus</i> France <i>Beauveria bassiana</i> 813 814 815 1073 1074 1075
USA, Michigan <i>Beauveria bassiana</i> 2580	<i>Conotrachelus nenuphar</i> Location not specified <i>Beauveria bassiana</i> 1016	New Zealand <i>Beauveria bassiana</i> 3065 8078
<i>Coleomegilla maculata</i> Brazil, Alagoas <i>Beauveria bassiana</i> 1956	<i>USA, Michigan</i> <i>Beauveria bassiana</i> 8260 8261 8262 8263	United Kingdom <i>Beauveria bassiana</i> 6552 7763
<i>Cyclonedra sanguinea</i> Argentina <i>Beauveria bassiana</i> 2010 8372 8462 8463	<i>Cosmopolites</i> sp. Brazil <i>Beauveria bassiana</i> 1833	<i>Phylctinus callosus</i> Australia <i>Beauveria bassiana</i> 8756 8757
<i>Hippodamia convergens</i> USA, New York <i>Beauveria bassiana</i> 4973 4974 4975	<i>Cosmopolites sordidus</i> Brazil, Espírito Santo <i>Beauveria bassiana</i> 1483	<i>Premnotryes latithorax</i> Peru <i>Beauveria bassiana</i> 5983 5984
<b>Coleoptera: Cucujidae: Silvaninae</b>	<i>West Africa</i> <i>Beauveria bassiana</i> 4798 4799	<i>Premnotrypes suturicallus</i> Peru <i>Beauveria amorphha</i> 1969
<i>Ahasverus advena</i> Denmark <i>Beauveria bassiana</i> 5857	<i>Curculio caryae</i> USA, Georgia <i>Beauveria bassiana</i> 2676	<i>Premnotrypes vorax</i> Colombia <i>Beauveria bassiana</i> 2248
<b>Coleoptera: Curculionidae</b>	<i>Cyrtepistomus castaneus</i> USA, Kentucky <i>Beauveria bassiana</i> 2270 <i>Beauveria brongniartii</i> 2271	<i>Rhynchites aequatus</i> Denmark <i>Beauveria bassiana</i> 8037
Canada, British Columbia <i>Beauveria bassiana</i> 7978	<i>Diaprepes abbreviata</i> Location not specified <i>Beauveria bassiana</i> 433	<i>Rhynchites baccus</i> Turkey <i>Beauveria bassiana</i> 8668
United Kingdom <i>Beauveria bassiana</i> 7769	<i>USA, Florida</i> <i>Beauveria bassiana</i> 412 416	<i>Rhynchophorus ferrugineus</i> Iran <i>Beauveria bassiana</i> 6903
USA, New York <i>Beauveria bassiana</i> 3667	<i>Geraeus senilis</i> Mexico <i>Beauveria bassiana</i> 3310 3311	<i>Shirahoshizo insidiosus</i> Japan <i>Beauveria</i> sp. 1681
Argentina <i>Beauveria bassiana</i> 7202 7466 7471 8520 8521 8522 8523 8524 8525 8526 8530	<i>Heilipodus erythropus</i> Argentina <i>Beauveria bassiana</i> 8461	<i>Sitona</i> sp. France <i>Beauveria bassiana</i> 1647
<i>Beauveria</i> sp. 7463	<i>Hypera postica</i> Denmark <i>Beauveria bassiana</i> 4038 4049	New Zealand <i>Beauveria bassiana</i> 3063 8077
Brazil, Goiás <i>Beauveria bassiana</i> 930	<i>France</i> <i>Beauveria bassiana</i> 1389 1398 1399 1515	<i>Sitona discoideus</i> France <i>Beauveria bassiana</i> 816 1185 1191
Brazil, Paraná <i>Beauveria bassiana</i> 1061	<i>Beauveria</i> sp. 1327	Morocco <i>Beauveria bassiana</i> 1153 1154 1155 1163 1164 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180
Denmark <i>Beauveria bassiana</i> 4052		
Republic of Korea <i>Beauveria bassiana</i> 2040		
USA, Hawaii <i>Beauveria bassiana</i> 8705		
USA, New York <i>Beauveria bassiana</i> 6216 6217 <i>Beauveria brongniartii</i> 6213 6214 6215		
<i>Anthonomus grandis</i> Brazil <i>Beauveria</i> sp. 1835		

1181 1183 1188 1189 1190 1309	<b>Coleoptera: Scarabaeidae</b>	<i>Pachnodia interrupta</i>
1311 1312 1313 1811 1815 1816	Ethiopia	<i>Ethiopia</i>
1817 1818 1819 1820 1821	<i>Beauveria bassiana</i> 6686	<i>Beauveria bassiana</i> 6669 6676 6681
<i>Sitona humeralis</i>	Location not specified	<i>Phyllophaga</i> sp.
France	<i>Beauveria brongniartii</i> 4380 4381	Mexico
<i>Beauveria bassiana</i> 1491	Republic of Korea	<i>Beauveria bassiana</i> 5740 5741 5742
<i>Sitona lineatus</i>	<i>Beauveria bassiana</i> 7264	5743 5744 5745
Denmark	<i>Beauveria sungii</i> 5689	<i>Popillia japonica</i>
<i>Beauveria bassiana</i> 4013 4015 4016	Turkey	Azores
4019 4021 4041	<i>Beauveria bassiana</i> 5669	<i>Beauveria amorpha</i> 4990
France	Uzbekistan	<i>Beauveria brongniartii</i> 4992 4993
<i>Beauveria bassiana</i> 1156 1157 1158	<i>Beauveria bassiana</i> 6058	4994 4995
1159 1160 1161 1162 1165 1167	<i>Adoryphorus coulonii</i>	Japan
1168 1169 1170 1182 1192 1193	Australia	<i>Beauveria brongniartii</i> 4389 4458
1194 1306	<i>Beauveria amorpha</i> 4149	<i>Beauveria</i> sp. 4390 4391 4392
<i>Sitophilus</i> sp.	<i>Beauveria bassiana</i> 4135 4136 4274	Location not specified
United Kingdom	4721	<i>Beauveria bassiana</i> 3716 3717
<i>Beauveria bassiana</i> 7764 7773 7774	<i>Amphimallon solstitialis</i>	Portugal
<i>Sternechus subsignatus</i>	Denmark	<i>Beauveria bassiana</i> 5148 5150
Brazil, Paraná	<i>Beauveria caledonica</i> 8024	<i>Rhopaea magnicornis</i>
<i>Beauveria bassiana</i> 1450	<i>Ancognatha scarabaeoides</i>	Australia
<b>Coleoptera: Curculionidae: Apioninae</b>	Colombia	<i>Beauveria bassiana</i> 4130 7813 8853
<i>Cylas formicarius elegantulus</i>	<i>Beauveria bassiana</i> 2249 2250	8854
Peru	<i>Anomala costata</i>	<i>Sericesthis nigrolineata</i>
<i>Beauveria bassiana</i> 5982	Japan	Australia
USA, Florida	<i>Beauveria amorpha</i> 1676	<i>Beauveria bassiana</i> 7853
<i>Beauveria bassiana</i> 5981	<i>Beauveria brongniartii</i> 985	<i>Xyloryctes jamaicensis</i>
<b>Coleoptera: Elateridae</b>	<i>Anomala cuprea</i>	India
Brazil, Ceará	Japan	<i>Beauveria</i> sp. 2412
<i>Beauveria bassiana</i> 784 804	<i>Beauveria bassiana</i> 1683	<b>Coleoptera: Scolytidae</b>
France	<i>Beauveria</i> sp. 1682	Switzerland
<i>Beauveria bassiana</i> 150	<i>Anoplognathus</i> sp.	<i>Beauveria bassiana</i> 1566
Russian Federation	Australia	<i>Beauveria caledonica</i> 1567
<i>Beauveria brongniartii</i> 9452	<i>Beauveria bassiana</i> 8763	USA, Hawaii
<i>Beauveria</i> sp. 7580	<i>Aphodius tasmaniae</i>	<i>Beauveria bassiana</i> 3040
Turkey	New Zealand	<i>Dendroctonus micans</i>
<i>Beauveria bassiana</i> 5670	<i>Beauveria bassiana</i> 3070 8079	Turkey
<b>Coleoptera: Lagriidae</b>	<i>Costelytra zealandica</i>	<i>Beauveria bassiana</i> (?) 9271
<i>Lagria vilosa</i>	Netherlands	<i>Beauveria</i> sp. 9272
Brazil, Goiás	<i>Beauveria brongniartii</i> 7761	<i>Dendroctonus ponderosae</i>
<i>Beauveria bassiana</i> 2961	New Zealand	Canada, British Columbia
<b>Coleoptera: Lampyridae</b>	<i>Beauveria bassiana</i> 3055	<i>Beauveria bassiana</i> 1849 1853
USA, Vermont	<i>Beauveria brongniartii</i> 3054	<i>Dryocoetes confusus</i>
<i>Beauveria</i> sp. 5186	<i>Holotrichia parallela</i>	Canada
<i>Cratomorphus diaphanus</i>	China	<i>Beauveria bassiana</i> 9184
Argentina	<i>Beauveria asiatica</i> 4384 4474	Canada, British Columbia
<i>Beauveria bassiana</i> 8464	<i>Beauveria brongniartii</i> 4385 4386	<i>Beauveria bassiana</i> 1852
<b>Coleoptera: Languriidae</b>	4388 4465 4466 4467 4468 4469	<i>Hypothenemus hampei</i>
Costa Rica	4470 4471 4472 4473 4475 4476	Brazil, São Paulo
<i>Beauveria bassiana</i> 3457	4477 4478	<i>Beauveria bassiana</i> 1480
<b>Coleoptera: Nitidulidae</b>	<i>Lachnostenra morosa</i>	Cameroon
Australia	Japan	<i>Beauveria bassiana</i> 6526 6527 6528
<i>Beauveria bassiana</i> 325	<i>Beauveria sungii</i> 1685	6529 6530 6531 6532
<b>Coleoptera: Pythidae</b>	<i>Melolontha</i> sp.	Ivory Coast
<i>Pytho</i> sp.	Germany	<i>Beauveria bassiana</i> 5436 5437 5438
Canada, British Columbia	<i>Beauveria brongniartii</i> 5355 5356	5439 5440 5441 5442 5459 5460
<i>Beauveria bassiana</i> 1854	5357 5358 5359 5360 5361 5362	5477 5482 5483 5484 5485 5486
<b>Coleoptera: Rhizophagidae</b>	5363 5364	5487
<i>Rhizophagus grandis</i>	<i>Melolontha melolontha</i>	Kenya
Belgium	France	<i>Beauveria bassiana</i> 2685 2686 2687
<i>Beauveria bassiana</i> 1848	<i>Beauveria brongniartii</i> 617 979	Mexico
	Switzerland	<i>Beauveria bassiana</i> 2693 3818 3819
	<i>Beauveria brongniartii</i> 1067 1068	Nicaragua
	1069 1070 1071 1072 1076 1077	<i>Beauveria bassiana</i> 3440 3443 3445
	7528	3448 3453

# Fungus by Host and Location

**Coleoptera: Scolytidae**  
**Hemiptera: Coreidae**

Sri Lanka	Tenebrio molitor	Diptera: Calliphoridae
<i>Beauveria bassiana</i> 7758	Denmark	<i>Calliphora</i> sp.
Togo	<i>Beauveria bassiana</i> 8038	France
<i>Beauveria bassiana</i> 2688 2689 2690	Finland	<i>Beauveria bassiana</i> 1630
2691 2692 5443 5444 5445 5446	<i>Beauveria bassiana</i> 5623	
5447 5448 5449 5450 5451 5452	<i>Tribolium castaneum</i>	<b>Diptera: Ephydriidae</b>
5453 5454 5455 5456 5457 5458	Finland	United Kingdom
5478 5479 5480 5481 5488 5489	<i>Beauveria</i> sp. 5622	<i>Beauveria bassiana</i> 6567
5490		<i>Scatella tenuicosta</i>
<i>Ips</i> sp.		USA, New York
Canada, British Columbia	<b>Coleoptera: adephaga</b>	<i>Beauveria bassiana</i> 8245 8246 8247
<i>Beauveria pseudobassiana</i> 1855	Turkey	
<i>Ips stenographus</i>	<i>Beauveria bassiana</i> 5672	
Norway	Colombia	<b>Diptera: Muscidae</b>
<i>Beauveria bassiana</i> 6900	<i>Beauveria bassiana</i> 796	Brazil, Alagoas
<i>Ips typographus</i>	Republic of Korea	<i>Beauveria bassiana</i> 1955
Denmark	<i>Beauveria bassiana</i> 7252	USA, Vermont
<i>Beauveria brongniartii</i> 4024	USA, Florida	<i>Beauveria bassiana</i> 10142
Switzerland	<i>Beauveria bassiana</i> 5991	<i>Haematobia irritans</i>
<i>Beauveria bassiana</i> 7525 7526	USA, Vermont	Denmark
<i>Tomicus minor</i>	<i>Beauveria bassiana</i> 5495 5496	<i>Beauveria bassiana</i> 5862 5864 5865
France		5866 5867
<i>Beauveria bassiana</i> 5070 5071	<b>Dermaptera: Forficulidae</b>	<i>Musca autumnalis</i>
<i>Beauveria pseudobassiana</i> 4933	<i>Doru lineare</i>	France
<i>Tomicus pimpla</i>	Argentina	<i>Beauveria bassiana</i> 1514
France	<i>Beauveria bassiana</i> 8374 8465	<i>Musca domestica</i>
<i>Beauveria</i> sp. 4909 4910 4911 4912	<i>Forficula africana</i>	Argentina
4913 4914 4915 4916 4917 4918	Benin	<i>Beauveria bassiana</i> 7049
<b>Coleoptera: Scolytidae (Tribe Ipini)</b>	<i>Beauveria bassiana</i> 5652	Denmark
PR China	Nigeria	<i>Beauveria bassiana</i> 5861 5863
<i>Beauveria pseudobassiana</i> 6229	<i>Beauveria bassiana</i> 5650 5651	USA, Florida
<b>Coleoptera: Staphylinidae</b>	<i>Forficula auricularia</i>	<i>Beauveria bassiana</i> 7940
Denmark	Brazil, Distrito Federal	USA, New York
<i>Beauveria bassiana</i> 4055	<i>Beauveria bassiana</i> 3018	<i>Beauveria bassiana</i> 2953 5339 5340
USA, Nebraska		5341 5342 5343 5344 5345 5346
<i>Beauveria bassiana</i> 3112	<b>Dictyoptera: Mantidae</b>	5347
<i>Anotylus rugosus</i>	Republic of Korea	<b>Diptera: Psychodidae</b>
Denmark	<i>Beauveria bassiana</i> 7236 7238	<i>Phlebotomus papatasi</i>
<i>Beauveria bassiana</i> 4051 4056	<b>Diptera</b>	United Kingdom
<i>Anotylus</i> sp.	Brazil, Bahia	<i>Beauveria bassiana</i> 2972
Denmark	<i>Beauveria bassiana</i> 1962	
<i>Beauveria bassiana</i> 4046	Republic of Korea	<b>Diptera: Sciaridae</b>
<i>Gyrohypnus angustatus</i>	<i>Beauveria bassiana</i> 7269	United Kingdom
Denmark	Sri Lanka	<i>Beauveria bassiana</i> 6566
<i>Beauveria bassiana</i> 4054	<i>Beauveria bassiana</i> 2454	
<i>Tachyporus</i> sp.	USA, Hawaii	<b>Diptera: Tachinidae</b>
Denmark	<i>Beauveria bassiana</i> 8707 8712	France
<i>Beauveria bassiana</i> 4028	USA, Vermont	<i>Beauveria bassiana</i> 1150
<b>Coleoptera: Tenebrionidae</b>	<i>Beauveria bassiana</i> 10141 10149	
Brazil, Ceará	<b>Diptera: Anthomyiidae</b>	<b>Diptera: Tipulidae</b>
<i>Beauveria bassiana</i> 757 783 787	<i>Delia antiqua</i>	<i>Tipula paludosa</i>
Kazakhstan	France	United Kingdom
<i>Beauveria bassiana</i> 6478 6483	<i>Beauveria bassiana</i> 1864 1865 1866	<i>Beauveria bassiana</i> 6565
Uzbekistan	<i>Delia radicum</i>	
<i>Beauveria bassiana</i> 6057 6064 6077	Canada, Québec	<b>Hemiptera</b>
6078 6096 6113	<i>Beauveria bassiana</i> 1151	USA, Florida
<i>Alphitobius diaperinus</i>	Denmark	<i>Beauveria bassiana</i> 5978
<i>Beauveria bassiana</i> 5836 5838 5839	<i>Beauveria bassiana</i> 4012	<b>Hemiptera: Anthocoridae</b>
5840 5843	United Kingdom	<i>Anthocoris nemorum</i>
USA, West Virginia	<i>Beauveria bassiana</i> 6553 6555 6563	Denmark
<i>Beauveria bassiana</i> 7941	6564 6568	<i>Beauveria bassiana</i> 8028
<i>Pterohelaeus darlingensis</i>	<i>Pegopelta aestiva</i>	<b>Hemiptera: Coreidae</b>
Australia	Denmark	<i>Leptoglossus fulvicornis</i>
<i>Beauveria bassiana</i> 8065	<i>Beauveria bassiana</i> 8031	USA, Florida
		<i>Beauveria bassiana</i> 3086

**Hemiptera: Lygaeidae**

USA, Hawaii  
*Beauveria bassiana* 8706  
*Blissus leucopterus*  
 USA, Kansas  
*Beauveria bassiana* 792 2430  
*Nysius vinitor*  
 Australia  
*Beauveria bassiana* 300  
*Scolopostethus affinis*  
 Denmark  
*Beauveria bassiana* 8027

**Hemiptera: Mesoveliidae**

*Mesovelia mulsanti*  
 USA, Florida  
*Beauveria bassiana* 320

**Hemiptera: Miridae**

Costa Rica  
*Beauveria bassiana* 3449 3454 3456  
*Adelphocoris* sp.  
 Austria  
*Beauveria bassiana* 1533 1534 1535  
 1536 1537 1538 1539 1540 1635  
 1636 1637 1638 1640 1643  
 France  
*Beauveria bassiana* 1516 1517 1523  
 1524 1650 1789 1790 1791 1792  
 1793 1794 1795 1796 1797 1798  
 1799 1800 1801  
 Italy  
*Beauveria bassiana* 1525 1526 1527  
 1528 1529 1531  
*Beauveria* sp. 1195 1196 1197 1198  
 1199 1200 1201 1202 1203 1204  
 1205 1206 1207 1208 1209 1210  
 1211 1213 1214 1215 1216 1218  
 1219 1220 1221 1222 1224

*Leptopterna dolabrata*  
 Denmark  
*Beauveria bassiana* 8036

*Liocoris tripustulatus*  
 Denmark  
*Beauveria bassiana* 8025

*Lygus* sp.  
 France  
*Beauveria bassiana* 1394 1395 1396  
 1397 1404 1405 1406 1407 1408  
 1409 1410 1411 1412 1413 1414  
 1520 1521 1648 1649 2318 2319  
 2320 2321 2322 2458 2462

Greece  
*Beauveria bassiana* 1802 1803 1812  
 1822

Spain  
*Beauveria bassiana* 886 1804 1805  
 1806 1807 1808 1809 1810 1813  
 1814

*Lygus ?lineolaris*  
 France  
*Beauveria bassiana* 1317 1318 1319  
 1320 1321 1322 1323 1324 1325

*Lygus hesperus*  
 USA, California  
*Beauveria bassiana* 6660 6661

*Lygus lineolaris*

USA, Arkansas  
*Beauveria bassiana* 3769  
 USA, Mississippi  
*Beauveria bassiana* 8317 8889  
 USA, New York  
*Beauveria bassiana* 5808

*Lygus pratensis*

France  
*Beauveria bassiana* 2461  
*Notostira elongata*  
 Denmark  
*Beauveria bassiana* 8029 8030  
*Stenodema laevigatum*

Denmark  
*Beauveria bassiana* 8026

**Hemiptera: Nabidae**

*Nabis* sp.  
 Austria  
*Beauveria bassiana* 1988

**Hemiptera: Pentatomidae**

Austria  
*Beauveria bassiana* 1973 1974  
 Brazil, Goiás  
*Beauveria bassiana* 737  
 Brazil, Mato Grosso  
*Beauveria bassiana* 944  
 France  
*Beauveria bassiana* 1984  
 Republic of Korea  
*Beauveria bassiana* 6722  
*Acanthosoma labidurooides*

Nepal  
*Beauveria bassiana* 7273  
 Republic of Korea  
*Beauveria bassiana* 7240 7246

*Aelia* sp.

Uzbekistan  
*Beauveria bassiana* 6093

*Dolycorus* sp.

Turkey  
*Beauveria bassiana* 6404 6426

*Euschistus heros*

Brazil, Goiás  
*Beauveria bassiana* 1478  
*Nezara viridula*

Argentina  
*Beauveria bassiana* 2011 2457 2516  
 Brazil  
*Beauveria bassiana* 4092 4093

Brazil, Paraná  
*Beauveria bassiana* 1054  
 Brazil, Santa Catarina

*Beauveria bassiana* 1474

*Oebalus poecilus*

Brazil, Goiás  
*Beauveria bassiana* 2191

*Podisus* sp.

Brazil, Paraná  
*Beauveria bassiana* 1457 2519

*Tibraca limbaticollis*

Brazil  
*Beauveria bassiana* 4091  
 Brazil, Goiás

*Beauveria bassiana* 933

**Hemiptera: Reduviidae**

*Triatoma infestans*  
 Argentina  
*Beauveria bassiana* 7147

**Hemiptera: Rhopalidae**

*Leptocoris* sp.  
 Indonesia, Lombok Island  
*Beauveria bassiana* 560  
 Indonesia, Yogyakarta, Java  
*Beauveria bassiana* 566  
*Leptocoris oratorius*  
 Philippines  
*Beauveria bassiana* 1269 1270

**Hemiptera: Scutelleridae**

*Eurygaster* sp.  
 Iran  
*Beauveria bassiana* 10353 10354  
 10355 10356 10357 10358 10359  
 10360 10361 10362

Kyrgyz Republic  
*Beauveria bassiana* 8932 10352  
 Republic of Kazakhstan  
*Beauveria bassiana* 10351

Russian Federation  
*Beauveria bassiana* 6008 6009 6011  
 6013 6014 6015 6016 6019 6022  
 6039 6040 6041 6042 6043  
*Beauveria brongniartii* 6023

Syria  
*Beauveria bassiana* 5674 6065 6066  
 6067 6069 6070 6079 6086 6087  
 6088 6089 6090 6091 6149

Turkey  
*Beauveria bassiana* 5665 5724 5725  
 5753 5762 10348 10349  
*Beauveria bassiana(?)* 5684  
*Beauveria* sp. 5686

Uzbekistan  
*Beauveria bassiana* 6056 6060 6072  
 6073 6076 6083 6115

**Hemiptera: Tingidae**

*Corythucha ciliata*  
 France  
*Beauveria bassiana* 812  
*Leptopharsa heveae*  
 Brazil, Mato Grosso  
*Beauveria bassiana* 7984 8637 8638

**Heteroptera**

Denmark  
*Beauveria bassiana* 4057

**Heteroptera: Miridae**

Denmark  
*Beauveria bassiana* 4035  
*Lygus* sp.  
 Denmark  
*Beauveria bassiana* 4053

**Homoptera**

Russian Federation  
*Beauveria bassiana* 7583

# Fungus by Host and Location

*Homoptera: Adelgidae*  
*Hymenoptera: ?Megachilidae*

## Homoptera: Adelgidae

- Adelges tsugae*  
*Beauveria bassiana(?)* 5815  
 PR China  
*Beauveria bassiana* 6027
- USA, Connecticut  
*Beauveria bassiana* 5767
- Beauveria bassiana(?)* 5816 5817  
 5818
- USA, Massachusetts  
*Beauveria bassiana* 5170 5171 5770  
 5796
- USA, Virginia  
*Beauveria bassiana* 5768 5769

## Homoptera: Aleyrodidae

- Bemisia tabaci*  
 Location not specified  
*Beauveria bassiana* 5274 5275 5276  
 5277 5281 5282 5285
- Philippines  
*Beauveria bassiana* 4981 4982 4983  
 4984 5287 5288 5289 5290 5291  
 5292 5293 5294 5295 5296
- USA, Arizona  
*Beauveria bassiana* 5283 5284
- USA, Vermont  
*Beauveria bassiana* 5278 5279 5280
- Trialeurodes vaporariorum*  
 Canada, Alberta  
*Beauveria bassiana* 6920 6921 6922  
 6923 6924
- Kazakhstan  
*Beauveria bassiana* 9451

## Homoptera: Aphididae

- France  
*Beauveria bassiana* 3120 3121
- USA, New York  
*Beauveria bassiana* 4523 4524
- Aphis gossypii*  
 USA, Pennsylvania  
*Beauveria bassiana* 5493 5494
- Diuraphis noxia*  
 France  
*Beauveria bassiana* 3867
- Hungary  
*Beauveria bassiana* 6968 6969
- Beauveria bassiana(?)* 6608
- Laboratory manipulation  
*Beauveria bassiana* 3215 3890 3891  
 3892 3905 3906 3907 3908 4099  
 4100 4101 4106 4107 4108 4109  
 4110 4111 4112 4113 4114 4115  
 4116 4117 4118 4119 4120 4121
- South Africa  
*Beauveria bassiana* 5705 6978 6979  
 6980
- Turkey  
*Beauveria bassiana* 3153 3154 3155  
 3156 3157 3158 3166 3167 3168  
 3169
- USA, Idaho  
*Beauveria bassiana* 2861 2864 2879  
 2882

## Homoptera: Cicadidae

- USA, New York  
*Beauveria bassiana* 4462 4463 4464  
 4691 4692 4693 4694 4695 4696  
 4697 4976 4977 4978 4979
- Myzus persicae*  
 USA, Washington  
*Beauveria bassiana* 3385
- Rhopalosiphum padi*  
 Hungary  
*Beauveria bassiana* 6970
- Schizaphis graminum*  
 USA, Idaho  
*Beauveria bassiana* 2336 2860 2880  
 2881 2883

## Homoptera: Cercopidae

- Deois flavopicta*  
 Brazil, Distrito Federal  
*Beauveria bassiana* 3019
- Brazil, Goiás  
*Beauveria bassiana* 806
- Zulia carbonaria*  
 Colombia  
*Beauveria bassiana* 6459
- Zulia entreriana*  
 Brazil, Mato Grosso  
*Beauveria bassiana* 477

## Homoptera: Cicadellidae

- Brazil, Mato Grosso  
*Beauveria bassiana* 945
- Russian Federation  
*Beauveria bassiana* 7590 9443
- USA, Hawaii  
*Beauveria bassiana* 8710 8711  
*Sporothrix* sp. 7038
- Balacha melanocephala*  
 Argentina  
*Beauveria bassiana* 7464 7465 7467  
 7469 8370 8459 8460 8528 8529

## Homoptera: Psylidae

- Molopopterus theae*  
 South Africa  
*Beauveria bassiana* 6982
- Nephrotettix bipunctata cincticeps*  
 Japan  
*Beauveria bassiana* 1553 1554 1555  
 1556
- PR China  
*Beauveria amorphia* 656  
*Beauveria bassiana* 708  
*Beauveria brongniartii* 678
- Nephrotettix cincticeps*  
 Japan  
*Beauveria bassiana* 1098
- Pawiloma victima*  
 Argentina  
*Beauveria bassiana* 8371

## Homoptera: Cicadidae

- Japan  
*Beauveria bassiana* 7256 7258
- Mexico  
*Beauveria bassiana* 2544
- Magicicada septendecim*  
 USA, Maryland  
*Beauveria brongniartii* 7376

## Homoptera: Cixiidae

- Oliarus dimidiatus*  
 Argentina  
*Beauveria bassiana* 7776

## Homoptera: Coccoidea

- Republic of Korea  
*Beauveria bassiana* 6723
- Russian Federation  
*Sporothrix ghanensis* 9500

## Homoptera: Delphacidae

- USA, Hawaii  
*Beauveria kipukae* 7032  
*Sporothrix* sp. 7042
- Nilaparvata lugens*  
 Indonesia, Jawa Barat, Java  
*Beauveria bassiana* 2427
- PR China  
*Beauveria bassiana* 654 679 709 714  
 717 719
- Solomon Islands  
*Sporothrix* sp. 1908
- Vietnam  
*Beauveria bassiana* 7592

## Homoptera: Membracidae

- Brazil, Bahia  
*Beauveria bassiana* 3999
- Mexico  
*Beauveria bassiana* 3312
- Papua New Guinea  
*Beauveria* sp. 2164
- Kronides* sp.  
 Argentina  
*Beauveria bassiana* 7468
- Spissistilus festinus*  
 USA, California  
*Beauveria bassiana* 8318

## Homoptera: Pseudococcidae

- Rhizoecus* sp.  
 USA, Florida  
*Beauveria bassiana* 2236

## Homoptera: Psyllidae

- Diaphorina citri*  
 Mexico  
*Sporothrix* sp. 10230

## Hymenoptera

- Japan  
*Beauveria bassiana* 7257 7259
- Republic of Korea  
*Beauveria bassiana* 7239 7254 7265  
*Beauveria pseudobassiana* 7242  
*Beauveria sungii* 7281
- Brazil, Goiás  
*Beauveria bassiana* 957

## Hymenoptera: ?Megachilidae

**Hymenoptera: Apidae**

*Apis mellifera*  
 Russian Federation  
*Beauveria bassiana* 7596  
*Beauveria* sp. 7589  
 Ukraine  
*Beauveria bassiana* 9447  
 USA, Florida  
*Beauveria bassiana* 5989  
*Bombus* sp.  
 Argentina  
*Beauveria bassiana* 7201

**Hymenoptera: Apoidea**

PR China  
*Beauveria bassiana* 9595

**Hymenoptera: Cephidae**

*Cephus* sp.  
 PR China  
*Beauveria bassiana* 6793 6794 6795

**Hymenoptera: Diprionidae**

*Diprion pini*  
 Location not specified  
*Beauveria bassiana* 338

**Hymenoptera: Eurytomidae**

*Bephratelloides cubensis*  
 USA, Florida  
*Beauveria bassiana* 2869

**Hymenoptera: Formicidae**

France  
*Beauveria bassiana* 5069  
 Brazil, Bahia  
*Beauveria bassiana* 1960  
 Mexico  
*Beauveria bassiana* 2487  
 Republic of Korea  
*Beauveria bassiana* 7260  
*Atta* sp.  
 Brazil  
*Beauveria bassiana* 1831  
 Mexico  
*Beauveria bassiana* 3285  
*Atta mexicana*  
 Mexico  
*Beauveria bassiana* 2484 2485 2486  
*Formica rufa*  
 Russian Federation  
*Beauveria* sp. 7597  
*Myrmica rubra*  
 United Kingdom  
*Beauveria bassiana* 7533 7534  
 USA, Maine  
*Beauveria bronniartii* 7058  
*Paltothyreus tarsatus*  
 Ghana  
*Sporothrix insectorum* 2909 2918  
*Pogonomyrmex occidentalis*  
 USA, Colorado  
*Beauveria amorphula* 7542  
*Beauveria bassiana* 7540 7541  
*Solenopsis* sp.  
 Brazil  
*Beauveria bassiana* 2722 2723

Brazil, São Paulo  
*Beauveria amorphula* 2641  
*Solenopsis invicta*  
 Brazil  
*Beauveria* sp. 3859  
 Brazil, Mato Grosso  
*Beauveria bassiana* 2401 2402 2403  
 2404 5956 5957 5960 5961 5962  
*Beauveria bassiana*(?) 5959  
 Uruguay  
*Beauveria bassiana* 5967  
 USA, Florida  
*Beauveria bassiana* 5973 5974

*Solenopsis quinquecuspis*  
 Brazil, Rio Grande do Sul  
*Beauveria bassiana* 5968  
 Uruguay  
*Beauveria bassiana* 5966  
*Solenopsis saevissima*  
 Brazil, Minas Gerais  
*Beauveria bassiana* 5965  
 Brazil, Rio Grande do Sul  
*Beauveria bassiana* 5969  
 Brazil, São Paulo  
*Beauveria bassiana* 5958 5963  
*Solenopsis xyloni*  
 USA, California  
*Beauveria bassiana* 5970 5971 5972

**Hymenoptera: Formicidae: Myrmicinae**  
 France  
*Beauveria bassiana* 1976 1977 1978  
 1979

**Hymenoptera: Ichneumonidae**  
 Poland  
*Beauveria bassiana* 156  
 Ukraine  
*Beauveria bassiana* 9448

**Hymenoptera: Megachilidae**  
*Beauveria bassiana* 7377 7378

**Hymenoptera: Pamphiliidae**  
 Japan  
*Beauveria bassiana* 7519 7520 7521  
*Pamphilius betulae*  
 Commonwealth of Independent States  
*Beauveria bassiana* 152 154

**Hymenoptera: Pergidae**  
*Lophyrotoma zonalis*  
 Australia  
*Beauveria bassiana* 8753

**Hymenoptera: subord. Symphyta**  
 USA, Florida  
*Beauveria bassiana* 5985

**Hymenoptera: Vespidae**  
 Brazil, Alagoas  
*Beauveria bassiana* 1953  
 Brazil, Amazonas  
*Beauveria bassiana* 730  
 Brazil, Goiás  
*Beauveria bassiana* 2943 2944

*Polistes* sp.  
 Brazil, São Paulo  
*Beauveria bassiana* 6513  
*Vespa vulgaris*  
 Canada, Alberta  
*Beauveria pseudobassiana* 2997

**Hymenoptera: Superfamily Apoidea**  
 Brazil, Santa Catarina  
*Beauveria bassiana* 1468

**Isoptera: Rhinotermitidae**  
*Coptotermes formosanus*  
 USA, Louisiana  
*Beauveria bassiana* 6906 6907 6908  
*Reticulitermes flavipes*  
 Canada, Ontario  
*Beauveria bassiana* 3041

**Lepidoptera**  
 Brazil, Ceará  
*Beauveria bassiana* 2637  
 Brazil, São Paulo  
*Beauveria bassiana* 2633  
 Ecuador  
*Beauveria* sp. 2998  
 Mexico  
*Beauveria bassiana* 2857  
 Nepal  
*Beauveria bassiana* 7274

PR China  
*Beauveria amorphula* 6227  
*Beauveria* sp. 9596  
*Sporothrix insectorum* 6286  
 Russian Federation  
*Beauveria bassiana* 7585 7593 9445  
*Beauveria* sp. 7579 7586 7587 7594

7598  
 Turkey  
*Beauveria* sp. 5832  
 United Kingdom  
*Beauveria bassiana* 6557  
 USA, Alaska  
*Sporothrix insectorum* 7924  
 USA, Hawaii  
*Beauveria bassiana* 8709  
 Uzbekistan  
*Beauveria bassiana* 6109

**Lepidoptera: Arctiidae**  
*Hyphantria cunea*  
 Italy  
*Beauveria bassiana* 1564 1565

**Lepidoptera: Bombycidae**  
*Bombyx mori*  
 Japan  
*Beauveria bassiana* 302 303 304 305  
 1007  
*Beauveria* sp. 1040  
 Philippines  
*Beauveria bassiana* 2737  
 PR China  
*Beauveria bassiana* 718  
 South Africa  
*Beauveria bassiana* 5704

## Fungus by Host and Location

**Lepidoptera: Brassolidae**  
**Lepidoptera: Pyralidae**

### Lepidoptera: Brassolidae

*Brassolis sophorea*  
Brazil, Pará  
    *Beauveria bassiana* 2619  
Brazil, São Paulo  
    *Beauveria bassiana* 6514

### Lepidoptera: Castniidae

*Castnia licus*  
Brazil, Pernambuco  
    *Beauveria brongniartii* 1829

### Lepidoptera: Cossidae

*Cossula cossus*  
Italy  
    *Beauveria bassiana* 1103 1104 1558  
*Zeuzera pyrina*  
Italy  
    *Beauveria bassiana* 1105

### Lepidoptera: Danaidae

*Danaus plexippus*  
    *Beauveria bassiana* 7093  
Australia  
    *Beauveria bassiana* 8891

### Lepidoptera: Eupterotidae

South Africa  
    *Beauveria bassiana* 6984

### Lepidoptera: Geometridae

*Isturgia exerrariae*  
South Africa  
    *Beauveria bassiana* 6972 6973

### Lepidoptera: Hepialidae

*Oncopera* sp.  
Australia  
    *Beauveria bassiana* 4273  
*Oncopera alboguttata*  
Australia  
    *Beauveria bassiana* 4589 4607 8493  
*Oncopera intricata*  
Australia  
    *Beauveria bassiana* 4258 4672  
    *Microhilum oncoperae* 4358 4769  
        4770 4771  
*Oncopera intrucata*  
Australia  
    *Microhilum oncoperae* 4767 4768

### Lepidoptera: Hyblaeidae

*Hyblaea puer*  
India  
    *Beauveria bassiana* 2597

### Lepidoptera: Incurvariidae

*Paraclemensia acerifoliella*  
USA, Vermont  
    *Beauveria bassiana* 5492

### Lepidoptera: Lasiocampidae

*Dendrolimus spectabilis*  
Japan  
    *Beauveria bassiana* 1677  
*Malacosoma americanum*  
USA, Massachusetts  
    *Beauveria bassiana* 1

### Lepidoptera: Lymantriidae

*Lymantria dispar*  
Canada, Ontario  
    *Beauveria bassiana* 2267  
Commonwealth of Independent States  
    *Beauveria bassiana* 155  
France  
    *Beauveria bassiana* 6205  
Rumania  
    *Beauveria bassiana* 299  
USA, Delaware  
    *Beauveria bassiana* 2570 2571 2572  
        2573  
USA, Maryland  
    *Beauveria bassiana* 2831 3404 3530  
    *Beauveria pseudobassiana* 3529  
USA, Oregon  
    *Beauveria bassiana* 2054  
USA, Pennsylvania  
    *Beauveria bassiana* 3528  
USA, Virginia  
    *Beauveria bassiana* 3527  
    *Beauveria pseudobassiana* 3405  
*Lymantria dissoluta*  
PR China  
    *Beauveria bassiana* 6233

### Lepidoptera: Lyonetiidae

*Leucoptera coffeella*  
Nicaragua  
    *Beauveria bassiana* 6801 6802 6803  
        6804 6805 6806 6807 6808 6809  
*Leucoptera scitella*  
Italy  
    *Beauveria bassiana* 1115 1117

### Lepidoptera: Noctuidae

Hungary  
    *Beauveria bassiana* 1627 1628 1629  
PR China  
    *Beauveria brongniartii* 9599  
*Autographa gamma*

France  
    *Beauveria bassiana* 2253 2254  
*Helicoverpa* sp.

Australia  
    *Beauveria bassiana* 8066  
*Helicoverpa armigera*

Spain  
    *Beauveria bassiana* 1149 1166  
*Helicoverpa virescens*

France  
    *Beauveria bassiana* 1314 1315 1316  
Spain  
    *Beauveria bassiana* 1788

*Mocis* sp.  
Colombia  
    *Beauveria* sp. 590  
*Panolis flammea*

United Kingdom  
    *Beauveria bassiana* 6100 6101 6177  
        6178  
*Sesamia calamistis*

Benin  
    *Beauveria bassiana* 5649 5654

### Sesamia cretica

Italy  
    *Beauveria bassiana* 1118  
*Simyra henrici*  
USA, Florida  
    *Beauveria bassiana* 5988  
*Spodoptera frugiperda*  
Mexico  
    *Beauveria bassiana* 3288  
    *Beauveria* sp. 3289  
*Spodoptera littoralis*  
France  
    *Beauveria bassiana* 1512 1513 3286  
*Spodoptera litura*  
India  
    *Beauveria bassiana* 6646 6647 6648  
        6650

### Lepidoptera: Noctuidae: Plusiinae

Brazil, Paraná  
    *Beauveria bassiana* 3937

### Lepidoptera: Olethreutidae

*Carpocapsa pomonella*  
Yugoslavia, Serbia  
    *Beauveria bassiana* 503

### Lepidoptera: Phycitinae

*Emmalocera depressella*  
India  
    *Beauveria bassiana* 2417

### Lepidoptera: Plutellidae

*Plutella xylostella*  
Philippines  
    *Beauveria bassiana* 2727 2728 2729  
USA, New York  
    *Beauveria bassiana* 4525 4526 4527  
        4528 4529 4530 4531 4532 4533  
        4534 4535 4536 4537 4538 4539  
        4540 4543 6150 6151 6152 6153

### Lepidoptera: Pyralidae

Russian Federation  
    *Sporothrix insectorum* 9501  
*Acigona* sp.  
Benin  
    *Beauveria bassiana* 5647 5648  
*Chilo infuscatellus*  
India  
    *Beauveria* sp. 1886  
*Chilo plejadellus*  
Australia  
    *Beauveria bassiana* 326  
*Cnaphalocrocis medinalis*  
Philippines  
    *Beauveria bassiana* 2041  
*Coniesta* sp.  
Benin  
    *Beauveria bassiana* 5646  
*Diatraea saccharalis*  
Argentina  
    *Beauveria bassiana* 5500 5502  
Brazil  
    *Beauveria bassiana* 1832 1834 3858  
Brazil, Pernambuco  
    *Beauveria bassiana* 1484 2629 3020

Brazil, São Paulo <i>Beauveria brongniartii</i> 1830	<i>Terastia meticulosalis</i> Brazil <i>Beauveria bassiana</i> 1836	<b>Lepidoptera: Yponomeutidae</b> <i>Yponomeutidae</i> sp. France <i>Beauveria bassiana</i> 3965 3966 3967 3968 3969 3970
<i>Dioryctria sylvestrella</i> Japan <i>Beauveria bassiana</i> 1001	<b>Lepidoptera: Saturniidae</b> Costa Rica <i>Beauveria bassiana</i> 843 <i>Opodiphthera eucaalypti</i> Australia <i>Beauveria bassiana</i> 8843	<b>Neuroptera: Chrysopidae</b> <i>Chrysopa</i> sp. Commonwealth of Independent States <i>Beauveria bassiana</i> 153
<i>Eldana saccharina</i> Benin <i>Beauveria bassiana</i> 5645 5653 5655 <i>Beauveria bassiana(?)</i> 5644	<i>Schirius</i> sp. Brazil, Paraná <i>Beauveria bassiana</i> 2962	<b>Odonata: suborder Anisoptera</b> USA, New York <i>Beauveria bassiana</i> 4688
<i>Galleria mellonella</i> <i>Beauveria bassiana</i> 6894 <i>Beauveria bassiana(?)</i> 6892	<b>Lepidoptera: Sesiidae</b> <i>Monopetalotaxis doleriformis</i> South Africa <i>Beauveria bassiana</i> 6971 6974 6975 6976 6977 6981	<b>Orthoptera</b> PR China <i>Beauveria bassiana</i> 6231 9598
Denmark <i>Beauveria bassiana</i> 8032 8033 8035 <i>Beauveria brongniartii</i> 8034	<b>Lepidoptera: Stenomatiinae</b> <i>Stenoma decora</i> Brazil, Bahia <i>Beauveria bassiana</i> 1479	USA <i>Beauveria bassiana</i> 3622
Greenland <i>Beauveria bassiana</i> 8039 8040	<b>Lepidoptera: Thaumetopoeidae</b> <i>Thaumetopoea pityocampa</i> Turkey <i>Beauveria bassiana</i> 8356	USA, Hawaii <i>Beauveria bassiana</i> 8704
Iran <i>Beauveria bassiana</i> 6904 6905	<b>Lepidoptera: Tortricidae</b> USA, Massachusetts <i>Beauveria bassiana</i> 5169	<b>Orthoptera: ?Gryllacrididae</b> USA, Tennessee <i>Beauveria amorphia</i> 6376 6577
Italy <i>Beauveria bassiana</i> 1113 1114	<i>Choristoneura</i> sp. Canada, British Columbia <i>Beauveria bassiana</i> 1850	<b>Orthoptera: Acrididae</b> Australia <i>Beauveria australis</i> 4580 4622
Norway <i>Beauveria bassiana</i> 5370 5510 5557 7552 7553 7554	<i>Cydia pomonella</i> <i>Beauveria bassiana</i> 7969	<i>Beauveria bassiana</i> 356 357 8578
<i>Beauveria brongniartii</i> 7555 7556 7557 7558 7559 7560 7561	USA, Bulgaria <i>Beauveria bassiana</i> 6181 6187 6194 6195 6208 6209	8579
<i>Beauveria</i> sp. 7562 7563 7564 7565 7566 7567	France <i>Beauveria bassiana</i> 151 3972 3973 3974 3975 3977 3978 3979 5064 5066 5067 5229 5230 5231 5233 5234 5235 5886 5887 5888 6182 6184 6185 6186 6189 6191 6196 6201	Brazil, Bahia <i>Beauveria bassiana</i> 1959
Turkey <i>Beauveria bassiana</i> 8339 8340 8343 8349 8354 8355 8431 8444 8661 8663 8664 8666 8667 8670 8672 8673 8674	Italy <i>Beauveria bassiana</i> 1122	Brazil, Paraná <i>Beauveria bassiana</i> 1053
<i>Beauveria</i> sp. 8675	Portugal <i>Beauveria pseudobassiana</i> 3220	France <i>Beauveria bassiana</i> 1326
United Kingdom <i>Beauveria bassiana</i> 6556	Republic of Georgia <i>Beauveria</i> sp. 6533 6534 6535 6536 6537	Madagascar <i>Beauveria bassiana</i> 5737 5738
USA, Alaska <i>Beauveria bassiana</i> 7955 7956 7957 7958 7959 7963 7964 7965 7966 7968	<b>Austracris guttulosa</b> Australia <i>Beauveria bassiana</i> 8751 8752	PR China <i>Beauveria bassiana</i> 6230 6232
<i>Beauveria</i> sp. 7960	<i>Locusta migratoria</i> Australia <i>Beauveria bassiana</i> 8846	Republic of Georgia <i>Beauveria bassiana</i> 8695
USA, California <i>Beauveria bassiana</i> 6147 6148 7060	<i>Melanoplus</i> sp. Greece <i>Beauveria bassiana</i> 3866 3897 5273	Republic of Korea <i>Beauveria bassiana</i> 7235 7250
USA, Montana <i>Beauveria bassiana</i> 6931 6932 6933 6934 6935 6936 6937 6938 6939 6940 6941 6943 6949 6950 6951 6952 6953	USA <i>Beauveria</i> sp. 32	Russian Federation <i>Beauveria</i> sp. 4197
USA, Oregon <i>Beauveria bassiana</i> 7356 7357 7358 7359 7362 7364 7365	<i>Austracris guttulosa</i> Australia <i>Beauveria bassiana</i> 8751 8752	USA, Hawaii <i>Beauveria bassiana</i> 7030
USA, Washington <i>Beauveria</i> sp. 5078	<i>Locusta migratoria</i> Australia <i>Beauveria bassiana</i> 8846	USA, Montana <i>Beauveria</i> sp. 32
<i>Gymnancyla canella</i> France <i>Beauveria bassiana</i> 6796	<i>Melanoplus</i> sp. Greece <i>Beauveria bassiana</i> 3866 3897 5273	<i>Austracris guttulosa</i> Australia <i>Beauveria bassiana</i> 8751 8752
<i>Ostrinia nubilalis</i> Italy <i>Beauveria bassiana</i> 1121	<i>Lobesia botrana</i> Italy <i>Beauveria bassiana</i> 1107 1110	USA <i>Beauveria bassiana</i> 3620
PR China <i>Beauveria bassiana</i> 501 502 533 652	<i>Rhyacionia frustrana</i> USA, Georgia <i>Beauveria bassiana</i> 5573	<i>Melanoplus bivittatus</i> Canada, Alberta <i>Beauveria bassiana</i> 8213
USA, New York <i>Beauveria bassiana</i> 1038		
USA, Pennsylvania <i>Beauveria bassiana</i> 2976		

<i>Oxyops vitiosa</i>	
Australia	
<i>Beauveria bassiana</i> 5987	
<i>Phaulacridium vittatum</i>	
Australia	
<i>Beauveria bassiana</i> 4150	
<i>Rhammatocerus schistocercoides</i>	
Brazil, Mato Grosso	
<i>Beauveria bassiana</i> 7983	
<i>Schistocerca gregaria</i>	
Ethiopia	
<i>Beauveria bassiana</i> 5633 5634 5635	
5636 5637 5638 5639 5640 5641	
5642 5643	
<b>Orthoptera: Catantopidae</b>	
<i>Calliptamus italicus</i>	
Republic of Georgia	
<i>Beauveria bassiana</i> 8694 8697	
<b>Orthoptera: Gryllacrididae</b>	
USA, Georgia	
<i>Beauveria caledonica</i> 7117	
<b>Orthoptera: Gryllotalpidae</b>	
<i>Scapteriscus vicinus</i>	
USA, Florida	
<i>Beauveria bassiana</i> 5977	
<b>Orthoptera: Tettigoniidae</b>	
<i>Anabrus simplex</i>	
<i>Beauveria bassiana</i> 7379 7380	
<b>Orthoptera: Tettigonioidea</b>	
PR China	
<i>Beauveria bassiana</i> 6234	
<b>Thysanoptera: Phlaeothripidae</b>	
<i>Haplothrips tritici</i>	
Spain	
<i>Beauveria bassiana</i> 4200	
<b>Thysanoptera: Thripidae</b>	
USA, Vermont	
<i>Beauveria bassiana</i> 9927	
<i>Frankliniella occidentalis</i>	
<i>Beauveria bassiana</i> 9588	
Spain	
<i>Beauveria bassiana</i> 3995 3996	
USA, California	
<i>Beauveria bassiana</i> 9587	
<i>Taeniothrips inconsequens</i>	
USA, New Hampshire	
<i>Beauveria bassiana</i> 10139	
USA, Vermont	
<i>Beauveria bassiana</i> 10138 10140	
10143 10144 10145 10147 10148	
<i>Thrips calcaratus</i>	
USA, Wisconsin	
<i>Beauveria pseudobassiana</i> 3216	

## Chordata • Mammalia

### Artiodactyla: Bovidae

*Ovis aries*  
 United Kingdom  
*Beauveria bassiana* 7770

### Perissodactyla: Equidae

*Equus ferus caballus*  
 United Kingdom  
*Beauveria bassiana* 7771 7772

### Primates: Hominidae

*Homo sapiens*  
 USA, New Mexico  
*Beauveria bassiana* 8601  
 USA, Wisconsin  
*Beauveria bassiana* 8602

## Vertebrata • Reptilia

### Chelonia: Emydidae

*Trachemys scripta*  
 Spain  
*Beauveria bassiana(?)* 5990

### Crocodylia: Alligatoridae

*Alligator mississippiensis*  
 USA, Oklahoma  
*Beauveria bassiana* 2455



# Geographical Origin

Argentina  
Costa Rica

## Argentina

- Buenos Aires
  - Beauveria bassiana* 5501 7049 7201  
7202 7464 7465 7466 7467 7468 7469  
7471 7776 8368 8369 8370 8371 8459  
8460 8461 8465 8520 8521 8522 8523  
8524 8525 8526 8528 8529 8530 8929
  - Beauveria* sp. 7463
- Córdoba
  - Beauveria bassiana* 7147
- Corrientes
  - Beauveria bassiana* 8464
- Santa Fe
  - Beauveria bassiana* 5500 5502
- Tucumán
  - Beauveria bassiana* 2010 2011 2457  
2509 2515 2516 7470 8372 8373 8374  
8462 8463

## Australia

- Australian Capital Territory
  - Beauveria bassiana* 7853 8578 8579
- Macquarie Island
  - Beauveria bassiana* 4289
- New South Wales
  - Beauveria bassiana* 300 356 357 4130  
4589 4607 7813 8493 8753 8763 8843  
8846 8853 8854
- Queensland
  - Beauveria bassiana* 325 326 5987 7891  
8065 8066 8751 8752 8891
- South Australia
  - Beauveria bassiana* 4273
- Tasmania
  - Beauveria amorpha* 4149
  - Beauveria australis* 4580 4598 4622
  - Beauveria bassiana* 4135 4136 4150  
4222 4240 4258 4261 4271 4274 4276  
4285 4297 4300 4301 4305 4320 4326  
4353 4356 4564 4571 4583 4611 4612  
4616 4644 4658 4670 4672 4685 4721  
4741 4744 4745 8835 8836
  - Beauveria caledonica* 4302
  - Beauveria malawiensis* 4755
  - Beauveria* sp. 4254
  - Microhilum oncoperae* 4358 4767 4768  
4769 4770 4771
- Victoria
  - Beauveria bassiana* 8756 8757
- Western Australia
  - Beauveria bassiana* 7877 7878 7889  
7890

## Austria

- Burgenland
  - Beauveria bassiana* 1533 1534 1535  
1536 1537 1538 1539 1540 1635 1636  
1637 1638 1640 1643 1973 1974 1988

## Azores

- Beauveria amorpha* 4990
- Beauveria brongniartii* 4992 4993  
4994 4995

## Belarus

- Beauveria bassiana* 9450

## Belgium

- Beauveria bassiana* 1848

## Benin

- Beauveria bassiana* 5649 5653

### Atakora

- Beauveria bassiana* 5654 5655

### Atlantique

- Beauveria bassiana* 5645 5652

- Beauveria bassiana*(?) 5644

### Borgou

- Beauveria bassiana* 5646 5647 5648

## Brazil

- Beauveria bassiana* 1831 1832 1833

- 1834 1836 2722 2723 3219 3858 4091

- 4092 4093

- Beauveria* sp. 1835 3859

### Alagoas

- Beauveria bassiana* 1953 1954 1955

- 1956

### Amazonas

- Beauveria bassiana* 730 731 732 756

- 2512 2957

### Bahia

- Beauveria bassiana* 1479 1959 1960

- 1961 1962 2075 3999

### Ceará

- Beauveria bassiana* 753 757 783 784

- 785 786 787 788 804 805 2637 4001

### Distrito Federal

- Beauveria bassiana* 3018 3019

### Espírito Santo

- Beauveria bassiana* 1483

### Goiás

- Beauveria bassiana* 733 734 735 736

- 737 738 739 752 754 758 806 809 928

- 930 931 933 934 956 957 1476 1478

- 1971 2079 2191 2625 2626 2636 2938

- 2942 2943 2944 2961

### Mato Grosso

- Beauveria bassiana* 477 937 938 941

- 942 943 944 945 946 947 948 949

- 950 951 952 953 982 2401 2402 2403

- 2404 5956 5957 5960 5961 5962 5964

- 7983 7984 8637 8638

- Beauveria bassiana*(?) 5959

### Minas Gerais

- Beauveria bassiana* 5965

### Pará

- Beauveria bassiana* 2619

- Beauveria caledonica* 2251

### Paraná

- Beauveria bassiana* 958 1053 1054

- 1060 1061 1450 1453 1454 1455 1457

- 1458 1461 1462 1463 1466 1469 2511

- 2519 2520 2642 2962 3937 8635 8636

### Pernambuco

- Beauveria bassiana* 1484 2629 3020

- Beauveria brongniartii* 1829

### Rio Grande do Sul

- Beauveria bassiana* 1456 1459 1460

- 1464 1465 1475 3098 3477 5968

- 5969

### Santa Catarina

- Beauveria bassiana* 1467 1468 1470

- 1471 1472 1473 1474

## São Paulo

- Beauveria amorpha* 2641
- Beauveria bassiana* 1480 1966 2559  
2630 2631 2632 2633 2638 2945  
2946 5958 5963 6513 6514
- Beauveria brongniartii* 1830
- Sporothrix* sp. 6341

## Bulgaria

- Beauveria bassiana* 6181 6187 6194  
6195 6208 6209

## Cameroon

- Centre-Sud
- Beauveria bassiana* 6526 6527 6528  
6529 6530 6531 6532

## Canada

- Beauveria bassiana* 9184
- Alberta
- Beauveria bassiana* 3462 6920 6921  
6922 6923 6924 8213
- Beauveria pseudobassiana* 2997
- British Columbia
- Beauveria bassiana* 1849 1850 1852  
1853 1854 7971 7972 7978
- Beauveria pseudobassiana* 1855
- Ontario
- Beauveria bassiana* 2267 3041 5807
- Québec
- Beauveria bassiana* 1151 2983 2984  
2985 2986 2987 2988 2989 2990 2991

## Chile

- Los Lagos
- Beauveria vermiciona* 2922

## China

- Beauveria asiatica* 4384 4474
- Beauveria brongniartii* 4385 4386  
4388 4465 4466 4467 4468 4469  
4470 4471 4472 4473 4475 4476 4477  
4478

## Colombia

- Beauveria bassiana* 842 3514
- Beauveria* sp. 590

- Cauca

- Beauveria bassiana* 6459

- Meta

- Beauveria bassiana* 796

- Nariño

- Beauveria bassiana* 2248 2249 2250

- Valle del Cauca

- Beauveria bassiana* 721

## Commonwealth of Independent States

- Beauveria bassiana* 152 153 154 155  
220 283 284 285 286 287 288 289  
290 291 292 681 2695

## Costa Rica

- Beauveria bassiana* 843
- Cartago
- Beauveria bassiana* 3437 3438 3439  
3441 3442 3444 3446 3447 3449 3450  
3451 3452 3454 3455 3456 3457

<b>Czech Republic</b>	<i>Beauveria bassiana</i> 159 160	<i>Beauveria brongniartii</i> 617 979	<b>Germany</b>
			Hesse
		<i>Beauveria bassiana</i> 1647	<i>Beauveria bassiana</i> 340
<b>Denmark</b>	<i>Beauveria bassiana</i> 4019	<i>Beauveria brongniartii</i> 5355 5356	
	<i>Beauveria brongniartii</i> 4024	5357 5358 5359 5360 5361 5362	
Funen	<i>Beauveria bassiana</i> 5857	5363 5364	
Fyn	<i>Beauveria bassiana</i> 4051 4055 4056		<b>Ghana</b>
Jutland	<i>Beauveria bassiana</i> 4021 4031 5862		<i>Sporothrix insectorum</i> 2909 2918
	5864		
Storstrøm	<i>Beauveria bassiana</i> 4015		<b>Greece</b>
Zealand	<i>Beauveria bassiana</i> 4012 4013 4018		<i>Beauveria bassiana</i> 1802 1803 1812
	4023 4034 4035 4038 4041 4046 4049		1822
	4052 4053 4054 4057 5853 5861 5863		Crete
	5865 5866 5867 7947 7948 7949 7950		<i>Beauveria bassiana</i> 3607 3866 3897
	7951 7952 7953 7954 8025 8026 8027		5273
	8028 8029 8030 8031 8032 8033 8035		
	8036 8037 8038		<b>Greenland</b>
	<i>Beauveria brongniartii</i> 8034		Disko Island
	<i>Beauveria caledonica</i> 8024		<i>Beauveria bassiana</i> 8039 8040
	<i>Beauveria</i> sp. 4027		
Zeeland	<i>Beauveria bassiana</i> 4016 4026 4028		<b>Hungary</b>
	4032		<i>Beauveria bassiana</i> 1627 1628 1629
			6967
<b>Ecuador</b>	<i>Beauveria bassiana</i> 2557		Budapest
	<i>Beauveria</i> sp. 2998		<i>Beauveria bassiana</i> 6612 6613 6614
			6968 6969 6970
<b>Ethiopia</b>	<i>Beauveria bassiana</i> 5629 5630 5631		<i>Beauveria bassiana(?)</i> 6608
	5632 5633 5634 5635 5636 5637 5638		Csongrád
	5639 5640 5641 5642 5643 6687 6688		<i>Beauveria bassiana</i> 6884 6885
	<i>Beauveria</i> sp. 6691		
Gojam	<i>Beauveria bassiana</i> 6693		<b>India</b>
Northern Shoa	<i>Beauveria bassiana</i> 6669 6676 6681		<i>Beauveria bassiana</i> 2417 2597
Sidamo	<i>Beauveria bassiana</i> 6689 6690		<i>Beauveria brongniartii</i> 2660
Tigray	<i>Beauveria bassiana</i> 6695 6696 6697		<i>Beauveria</i> sp. 2412
Welo	<i>Beauveria bassiana</i> 6692		Andhra Pradesh
Western Shoa	<i>Beauveria bassiana</i> 6686		<i>Beauveria bassiana</i> 6646 6647 6648
<b>Finland</b>	<i>Beauveria</i> sp. 5622		6650
Vaasan Lääni	<i>Beauveria bassiana</i> 5623		Tamil Nadu
			<i>Beauveria</i> sp. 1886 8250
<b>France</b>	<i>Beauveria bassiana</i> 149 150 151 384		<b>Indonesia</b>
	1150 1157 1159 1160 1165 1167 1168		Jawa Barat, Java
	1169 1170 1182 1186 1306 1314 1315		<i>Beauveria bassiana</i> 2427
	1316 1319 1320 1321 1322 1323 1324		Lombok Island
	1325 1389 1396 1397 1404 1405 1406		<i>Beauveria bassiana</i> 560
	1407 1408 1409 1410 1411 1412 1413		Yogyakarta, Java
	1414 1512 1513 1515 1516 1517 1523		<i>Beauveria bassiana</i> 566
	1524 1792 1793 1794 1864 1865 1866		
	1982 6182 6184 6185 6186 6189 6191		<b>Iran</b>
	6196 6199 6205		<i>Beauveria bassiana</i> 6905 10353 10354
			10355 10356 10357 10358 10359
			10360 10361 10362
			Sistan Va Baluchestan
			<i>Beauveria bassiana</i> 6903
			Tehran
			<i>Beauveria bassiana</i> 6904
			<b>Italy</b>
			<i>Beauveria bassiana</i> 1105 1559 1560
			1561 1562 1563
			Emilia-Romagna
			<i>Beauveria bassiana</i> 1103 1104 1107
			1110 1113 1114 1115 1117 1118 1119
			1122 1558 1564 1565
			Lazio
			<i>Beauveria</i> sp. 1195 1196 1197 1198
			1201 1202 1203 1204 1205 1206 1207

## Geographical Origin

1209	1210	1211	1213	1214	1215	1216
1218	1219	1220	1221	1222	1224	
<b>Sicily</b>						
<i>Beauveria bassiana</i> 1106						
<b>Toscana</b>						
<i>Beauveria bassiana</i> 1525 1526 1527 1528						
<i>Beauveria</i> sp. 1199 1200 1208						
<b>Umbria</b>						
<i>Beauveria bassiana</i> 1529 1531						
<b>Venetia</b>						
<i>Beauveria bassiana</i> 1121						
<b>Ivory Coast</b>						
<i>Beauveria bassiana</i> 5436 5437 5438 5439 5440 5441 5442 5459 5460 5477 5482 5483 5484 5485 5486 5487						
<b>Japan</b>						
<i>Beauveria bassiana</i> 302 303 304 305 308 7256 7257 7258 7259						
<i>Beauveria brongniartii</i> 6235						
Aichi Prefecture						
<i>Beauveria bassiana</i> 1041						
Hokkaido						
<i>Beauveria brongniartii</i> 4362 4363 4389 4458						
<i>Beauveria</i> sp. 4364 4365 4390 4391 4392 4393 4394 4395 4396 4397						
Hokkaido Prefecture						
<i>Beauveria bassiana</i> 4377 4378 4379 7519 7520 7521						
Ibaraki Prefecture						
<i>Beauveria bassiana</i> 1098						
<i>Beauveria brongniartii</i> 6412						
<i>Beauveria sungii</i> 1685						
Ishikawa Prefecture						
<i>Beauveria bassiana</i> 1677						
Kumamoto Prefecture						
<i>Beauveria bassiana</i> 1679						
Nagano Prefecture						
<i>Beauveria amorpha</i> 1676						
<i>Beauveria bassiana</i> 1683						
<i>Beauveria</i> sp. 1682						
Nagasaki Prefecture						
<i>Beauveria bassiana</i> 1678						
Osaka Prefecture						
<i>Beauveria bassiana</i> 1553 1554 1555 1556						
Tokyo Prefecture						
<i>Beauveria amorpha</i> 1680						
<i>Beauveria bassiana</i> 1001 1007						
<i>Beauveria brongniartii</i> 985						
<i>Beauveria</i> sp. 1040 1681						
<b>Kazakhstan</b>						
<i>Beauveria bassiana</i> 6478 6483 9451						
<b>Kenya</b>						
<i>Beauveria bassiana</i> 2685 2686 2687						
<b>Kyrgyz Republic</b>						
<i>Beauveria bassiana</i> 6499 8932 10352						
<b>Laboratory manipulation</b>						
<i>Beauveria bassiana</i> 275 276 277 278 279 280 281 282 3113 3215 3825 3890 3891 3892 3905 3906 3907 3908 4014 4017 4099 4100 4101 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121						
<b>Madagascar</b>						
<i>Beauveria bassiana</i> 5737 5738						
<b>Malawi</b>						
Southern						
<i>Beauveria malawiensis</i> 7760						
<b>Malaysia</b>						
<i>Beauveria</i> sp. 547						
<b>Mexico</b>						
<i>Beauveria bassiana</i> 319 2693 3287 3288 3309 3311 9297 9298 9299 9300 9301 9302						
<i>Beauveria</i> sp. 3289						
Colima						
<i>Beauveria bassiana</i> 3310 3312 5740						
Durango						
<i>Beauveria bassiana</i> 2857						
Jalisco						
<i>Beauveria bassiana</i> 2330 5741 5742 5743 5744 5745						
Nuevo Leon						
<i>Beauveria bassiana</i> 2487 2544 3285						
Oaxaca						
<i>Beauveria bassiana</i> 3818 3819						
Sinaloa						
<i>Beauveria bassiana</i> 2484 2485 2486						
Tabasco						
<i>Beauveria bassiana</i> (?) 6890 6891						
Veracruz						
<i>Sporothrix</i> sp. 10230						
<b>Morocco</b>						
<i>Beauveria bassiana</i> 1153 1154 1155 1163 1164 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1183 1188 1189 1190 1309 1311 1312 1313 1811 1815 1816 1817 1818 1819 1820 1821						
<b>Nepal</b>						
<i>Beauveria bassiana</i> 7273 7274						
<b>Netherlands</b>						
<i>Beauveria brongniartii</i> 7761						
<b>New Zealand</b>						
South Island						
<i>Beauveria bassiana</i> 3055 3063 3065 3066 3070 8077 8078 8079						
<i>Beauveria brongniartii</i> 3054						
<b>Nicaragua</b>						
<i>Beauveria bassiana</i> 3440 3443 3445 3448 3453						
Carazo						
<i>Beauveria bassiana</i> 6801 6802 6803 6804 6805 6806 6807 6808 6809						
<b>Nigeria</b>						
Cross River						
<i>Beauveria bassiana</i> 5650 5651						
<b>Norway</b>						
Akershus						
<i>Beauveria bassiana</i> 5370 6900						
Nord Trøndelag						
<i>Beauveria bassiana</i> 5510						
Sogn og Fjordane						
<i>Beauveria bassiana</i> 7552 7553 7554						
<i>Beauveria bronniartii</i> 7555 7556 7557 7558 7559 7560 7561						
<i>Beauveria</i> sp. 7562 7563 7564 7565 7566 7567						
Troms						
<i>Beauveria bassiana</i> 5557						
<b>Papua New Guinea</b>						
<i>Beauveria</i> sp. 2164						
<b>Peru</b>						
<i>Beauveria bassiana</i> 5982						
Andes Mountains						
<i>Beauveria amorphula</i> 1969						
Junín						
<i>Beauveria bassiana</i> 5983						
La Libertad						
<i>Beauveria bassiana</i> 5984						
<b>Philippines</b>						
Benguet						
<i>Beauveria bassiana</i> 2725 2727 2728 2729 2737 2739 2748 3197 3198 3199 5287 5288 5289 5290 5291 5292 5293 5294 5295 5296						
Luzon						
<i>Beauveria bassiana</i> 4981 4982 4983 4984						
Manila						
<i>Beauveria bassiana</i> 2041						
<i>Beauveria brongniartii</i> 1431						
Palawan						
<i>Beauveria bassiana</i> 1269 1270						
Quezon						
<i>Beauveria bassiana</i> 3181						
<b>Poland</b>						
<i>Beauveria bassiana</i> 156 157 158 301 333 334 335 474 1359						
<i>Beauveria brongniartii</i> 1360 1366						
<b>Portugal</b>						
<i>Beauveria pseudobassiana</i> 3220						
Azores						
<i>Beauveria bassiana</i> 5148 5150						
<i>Beauveria</i> sp. 4920						
<b>PR China</b>						
<i>Beauveria bassiana</i> 501 502 533 652 708 709 6387 6793 6794 6795						
<i>Sporothrix insectorum</i> 6286						
Anhui						
<i>Beauveria amorphula</i> 6227						
<i>Beauveria amorphula</i> (?) 6827						
<i>Beauveria bassiana</i> 6230 6231 6232 6233 6234 6390 8414						
Gansu Province						
<i>Beauveria</i> sp.						

Guizhou Province	<b>Russian Federation</b>	<b>Switzerland</b>
<i>Beauveria bassiana</i> 9595 9598 9600	<i>Beauveria bassiana</i> 6008 6019	<i>Beauveria brongniartii</i> 1069
<i>Beauveria brongniartii</i> 9599	<i>Beauveria</i> sp. 4197	<i>Beauveria varroae</i> 2694
<i>Beauveria pseudobassiana</i> 6229	Irkutsk Region	Bern
<i>Beauveria</i> sp. 9596	<i>Beauveria bassiana</i> 7593	<i>Beauveria brongniartii</i> 7528
Hebei Province	Karachayevo-Cherkessiya Republ	Lucerne
<i>Beauveria bassiana</i> 7156 7157 7166	<i>Beauveria bassiana</i> 9446	<i>Beauveria bassiana</i> 7525 7526
7167 7168 7169 7170 7171 7172 7173	<i>Beauveria brongniartii</i> 9452	Schaffhausen
7174 7175 7176 7177 7178	<i>Beauveria</i> sp. 7579 7584	<i>Beauveria bassiana</i> 1566
Hunan	Krasnodarsky Krai	<i>Beauveria caledonica</i> 1567
<i>Beauveria amorpha</i> 656	<i>Beauveria bassiana</i> 7583 9444	Thurgau
<i>Beauveria brongniartii</i> 678	<i>Beauveria</i> sp. 7587	<i>Beauveria brongniartii</i> 1067 1068
Hubei	<i>Sporothrix ghanensis</i> 9500	1070 1071 1072 1076 1077
<i>Beauveria bassiana</i> 654 679 714 717	Lipetsk Oblast	<b>Syria</b>
719	<i>Beauveria</i> sp. 7597	<i>Beauveria bassiana</i> 6065 6066 6067
Sichuan Province	Moscow Region	6069 6070 6079 6086 6087 6088 6089
<i>Beauveria bassiana</i> 6027	<i>Beauveria bassiana</i> 9441 9449	6090 6091 6149
Zhijiang	Novosibirsk Region	Halab
<i>Beauveria bassiana</i> 718	<i>Sporothrix insectorum</i> 9501	<i>Beauveria bassiana</i> 5674
<b>Republic of China</b>	Primorsky Krai	<b>The Palestinian Authority</b>
Taiwan	<i>Beauveria bassiana</i> 7581 7585 9442	<i>Beauveria bassiana</i> 8409 8410
<i>Beauveria bassiana</i> 4866	9445	
<b>Republic of Georgia</b>	<i>Beauveria</i> sp. 7580 7582 7586 7588	<b>Togo</b>
<i>Beauveria bassiana</i> 8695 8697	7591 7594 7598	<i>Beauveria bassiana</i> 2688 2689 2690
<i>Beauveria</i> sp. 6533 6534 6535 6536	Rostov	2691 2692 5443 5444 5445 5446 5447
6537	<i>Beauveria bassiana</i> 6009 6011 6013	5448 5449 5450 5451 5452 5453 5454
Kakheti	6014 6015 6016 6022 6039 6040 6041	5455 5456 5457 5458 5478 5479 5480
<i>Beauveria bassiana</i> 8694	6042 6043	5481 5488 5489 5490
<b>Republic of Kazakhstan</b>	<i>Beauveria brongniartii</i> 6023	<b>Turkey</b>
<i>Beauveria bassiana</i> 10350 10351	Sakhalin Region	<i>Beauveria bassiana</i> 3169 6426 10347
<b>Republic of Korea</b>	<i>Beauveria bassiana</i> 7590 7596 9443	10348 10349
<i>Beauveria bassiana</i> 2040 6658 6722	<i>Beauveria</i> sp. 7589	Adiyaman
6723	<i>Sporothrix insectorum</i> 9502	<i>Beauveria bassiana</i> 6404
<i>Beauveria</i> sp. 4853	Tver Region	Ankara
Chungnam Province	<i>Beauveria brongniartii</i> 9453	<i>Beauveria bassiana</i> 3153 3154 3155
<i>Beauveria bassiana</i> 7239 7240	<b>Scotland</b>	3156 3157 3158 3166 3167 3168
<i>Beauveria</i> sp. 5697	Grampian	Artvin
Gyeongbuk Province	<i>Beauveria caledonica</i> 2567	<i>Beauveria bassiana</i> 8349 8354
<i>Beauveria bassiana</i> 7275	<b>Solomon Islands</b>	Bayburt
Gyeonggi Province	Guadalcanal	<i>Beauveria bassiana</i> 8673 8674
<i>Beauveria bassiana</i> 7235 7250 7266	<i>Sporothrix</i> sp. 1908	Erzurum
Jeju Province	<b>South Africa</b>	<i>Beauveria bassiana</i> 8664 8666
<i>Beauveria bassiana</i> 7241 7271 7272	Cape Province	Gaziantep
Jheonnam	<i>Beauveria bassiana</i> 6971 6973 6974	<i>Beauveria bassiana</i> 5669 5670 5671
<i>Beauveria bassiana</i> 7269 7270	6975 6976 6977 6981 6982 6984	5672 5673 5725
Kangwon-do	Orange Free State	<i>Beauveria bassiana(?)</i> 5684
<i>Beauveria asiatica</i> 4850	<i>Beauveria bassiana</i> 5704 6972 6978	<i>Beauveria</i> sp. 5678 5686 5832 5833
<i>Beauveria bassiana</i> 6721 7236 7237	6979 6980	Gümüşhane
7238 7244 7246 7247 7251 7252 7253	Western Cape Province	<i>Beauveria bassiana</i> 8661 8663 8667
7254 7255 7260 7261 7264 7265 7267	<i>Beauveria bassiana</i> 5705	8668 8670 8672
<i>Beauveria brongniartii</i> 7268	<b>Spain</b>	<i>Beauveria</i> sp. 8675
<i>Beauveria pseudobassiana</i> 7242	<i>Beauveria bassiana</i> 886 1149 1166	Hatay
<i>Beauveria sungii</i> 5689 7279 7280 7281	1788 1804 1805 1806 1807 1808 1809	<i>Beauveria bassiana</i> 5668
<b>Romania</b>	1810 1813 1814	Kahraman Maras
<i>Beauveria bassiana</i> 6228	<i>Beauveria bassiana(?)</i> 5990	<i>Beauveria bassiana</i> 5665 5667 5724
<b>Rumania</b>	Murcia	5753 5762
Munteniae	<i>Beauveria bassiana</i> 3995 3996 4200	<i>Beauveria</i> sp. 5831
<i>Beauveria bassiana</i> 299	<b>Sri Lanka</b>	Ordu
	<i>Beauveria bassiana</i> 2454 7758	<i>Beauveria bassiana</i> 8340 8343 8431
		8444
		Rize
		<i>Beauveria bassiana</i> 8355
		Samsun
		<i>Beauveria bassiana</i> 8356

## Geographical Origin

Trabzon	Florida	Montana
<i>Beauveria bassiana</i> 8339	<i>Beauveria bassiana</i> 320 412 413 416	<i>Beauveria bassiana</i> 6929 6931 6932
<i>Beauveria bassiana(?)</i> 9271	2236 2869 3086 5973 5974 5977 5978	6933 6934 6935 6936 6937 6938 6939
<i>Beauveria</i> sp. 9272	5979 5980 5981 5985 5986 5988 5989	6940 6941 6942 6943 6944 6948 6949
<b>Ukraine</b>	5991 7940	6950 6951 6952 6953 6954 6955 6956
Autonomous Republic of Crimea	<i>Beauveria bassiana(?)</i> 5975 5976	6957
<i>Beauveria bassiana</i> 9447 9448	Georgia	<i>Beauveria</i> sp. 32
Kherson Oblast	<i>Beauveria bassiana</i> 336 337 2676 5573	Nebraska
<i>Beauveria</i> sp. 7595	<i>Beauveria caledonica</i> 7117	<i>Beauveria bassiana</i> 3111 3112
<b>United Kingdom</b>	Hawaii	New Hampshire
<i>Beauveria bassiana</i> 6552 6553 6555	<i>Beauveria bassiana</i> 3040 7030 8704	<i>Beauveria bassiana</i> 10139
6556 6557 6559 6560 6563 6564 6565	8705 8706 8707 8708 8709 8710 8711	New Mexico
6566 6567 6568 7764 7765 7766 7767	8712	<i>Beauveria bassiana</i> 8601
7769 7770 7771 7772 7773 7774 7775	<i>Beauveria kipukae</i> 7032	New York
<i>Beauveria brongniartii</i> 7762	<i>Sporothrix</i> sp. 7038 7042	<i>Beauveria bassiana</i> 350 534 535 536
England	Idaho	1038 1039 1081 1619 1620 1621 1622
<i>Beauveria bassiana</i> 2972 7533 7534	<i>Beauveria bassiana</i> 2336 2860 2861	1623 1624 1704 1705 1706 1707 1708
7763 7768	2864 2879 2880 2881 2882 2883	1709 1710 1711 1712 1713 1721 1722
Scotland	Illinois	1723 1749 1750 1775 1776 1777 1778
<i>Beauveria bassiana</i> 6100 6101 6177	<i>Beauveria bassiana</i> 7152 7153 7154	1779 1780 1781 2030 2031 2032 2033
6178	Kansas	2034 2953 3460 3667 4462 4463 4464
<b>Uruguay</b>	<i>Beauveria bassiana</i> 792 2430 6471	4523 4524 4525 4526 4527 4528 4529
<i>Beauveria bassiana</i> 5967	Kentucky	4530 4531 4532 4533 4534 4535 4536
Colonia	<i>Beauveria bassiana</i> 2270	4537 4538 4539 4540 4543 4688 4691
<i>Beauveria bassiana</i> 5966	<i>Beauveria brongniartii</i> 2271	4692 4693 4694 4695 4696 4697 4973
<b>USA</b>	Louisiana	4974 4975 4976 4977 4978 4979 5339
<i>Beauveria bassiana</i> 3620 3622	<i>Beauveria bassiana</i> 6906 6907 6908	5340 5341 5342 5343 5344 5345 5346
Alaska	Maine	5347 5533 5534 5535 5536 5537 5808
<i>Beauveria bassiana</i> 7955 7956 7957	<i>Beauveria bassiana</i> 252 353 8383 8384	6150 6151 6152 6153 6216 6217 6391
7958 7959 7963 7964 7965 7966 7968	8385 8386 8387 8388 8389 8390 8391	6578 6986 6987 6988 7158 7159 7179
<i>Beauveria</i> sp. 7960	8392 8393 8394 8395 8396 8397 8398	8237 8238 8239 8240 8241 8242 8243
<i>Sporothrix insectorum</i> 7924	8399 8400 8401 8402 8403 8404 8405	8244 8245 8246 8247 8412 8413
Arizona	<i>Beauveria brongniartii</i> 7058	<i>Beauveria brongniartii</i> 6213 6214
<i>Beauveria bassiana</i> 5283 5284	Maryland	6215
Arkansas	<i>Beauveria bassiana</i> 2831 3404 3530	North Dakota
<i>Beauveria bassiana</i> 3769 7404	8998	<i>Beauveria bassiana</i> 5466 5467 6945
California	<i>Beauveria brongniartii</i> 7376	6946 6947
<i>Beauveria bassiana</i> 5970 5971 5972	<i>Beauveria pseudobassiana</i> 3529	Ohio
6147 6148 6660 6661 7060 8318	Massachusetts	<i>Beauveria bassiana</i> 296 306 307
8933 8934 8935 8936 8937 8938 8939	<i>Beauveria bassiana</i> 1 3037 5169 5170	Oklahoma
8940 8958 8959 8960 8961 8962 8963	5171 5770 5796	<i>Beauveria bassiana</i> 2455
8964 8965 8966 8967 8968 8969 8970	Michigan	Oregon
8971 8972 8973 8974 8975 8976 8977	<i>Beauveria bassiana</i> 2580 5813 7160	<i>Beauveria bassiana</i> 201 2054 5997
8978 8979 8980 8981 8982 8983 9193	7161 7162 7163 7165 8189 8190 8191	7356 7357 7358 7359 7362 7363 7364
9194 9195 9196 9197 9198 9199 9200	8192 8193 8194 8195 8260 8261 8262	7365
9201 9202 9203 9204 9205 9206 9207	8263 8271 8272 8273 8274 8275 8276	<i>Beauveria brongniartii</i> 10277 10278
9208 9209 9210 9211 9212 9213 9214	8771 8772 8773 8774	10279 10280
9215 9216 9219 9220 9221 9222 9223	<i>Beauveria bassiana(?)</i> 8801 8802 8803	Pennsylvania
9224 9225 9226 9227 9228 9229 9230	8804 8805 8807 8808 8809 8810 8811	<i>Beauveria bassiana</i> 2976 3528 5493
9231 9232 9233 9234 9345 9346 9347	8812 8813 8814 8815 8816 8817 8818	5494
9348 9349 9350 9351 9352 9353 9587	8819	Puerto Rico
10186	<i>Beauveria</i> sp. 8110 8111 8112 8113	<i>Beauveria</i> sp. 7079
Colorado	8116 8117 8119 8120 8121 8122 8123	Rhode Island
<i>Beauveria amorpha</i> 7542	8124 8125 8126 8127 8128 8129 8130	<i>Beauveria bassiana</i> 317 318
<i>Beauveria bassiana</i> 7540 7541	8132 8133 8134 8135 8136 8137 8138	South Dakota
Connecticut	8139 8140 8141 8143 8144 8145 8146	<i>Beauveria bassiana</i> 2579
<i>Beauveria bassiana</i> 5767 6393	8147 8148 8149 8150 8151 8152 8153	Tennessee
<i>Beauveria bassiana(?)</i> 5816 5817	8154 8156 8158 8159 8160 8161 8164	<i>Beauveria amorpha</i> 6376 6577
5818	8166 8167 8168 8169 8170 8171 8172	Texas
Delaware	8173 8174 8175 8176 8177 8178 8180	<i>Beauveria bassiana</i> 3097 5465 7795
<i>Beauveria bassiana</i> 2570 2571 2572	8181 8182 8185 8186 8187 8188	9355
2573	Minnesota	Vermont
	<i>Beauveria pseudobassiana</i> 8045 8046	<i>Beauveria bassiana</i> 3543 5172 5173
	Mississippi	5278 5279 5280 5492 5495 5496
	<i>Beauveria bassiana</i> 8317 8889	9289 9290 9291 9370 9388 9389 9390
		9391 9392 9393 9394 9395 9396 9397

9398 9399 9400 9401 9402 9403 9404  
9405 9406 9407 9408 9409 9410 9411  
9412 9413 9414 9415 9416 9417 9418  
9419 9420 9421 9422 9423 9424 9425  
9426 9427 9428 9429 9430 9431 9432  
9433 9434 9435 9436 9437 9438 9927  
10138 10140 10141 10142 10143  
10144 10145 10147 10148 10149

*Beauveria bassiana(?)* 5182

*Beauveria* sp. 5174 5186 5187 9335  
9336 9337 9338 9339 9340 9341 9342  
9343 9344

**Virginia**

*Beauveria bassiana* 3527 5768 5769  
*Beauveria pseudobassiana* 3405

**Washington**

*Beauveria bassiana* 344 1079 3385  
3386 7977

*Beauveria* sp. 5078

**West Virginia**

*Beauveria bassiana* 7941

**Wisconsin**

*Beauveria bassiana* 793 8602  
*Beauveria pseudobassiana* 3216

**Uzbekistan**

*Beauveria bassiana* 6055 6056 6057  
6058 6059 6060 6061 6062 6063 6064  
6072 6073 6074 6075 6076 6077 6078  
6083 6092 6093 6095 6096 6099 6109  
6111 6112 6113 6115

**Vietnam**

*Beauveria bassiana* 751 7592

**West Africa**

Cape Verde Islands  
*Beauveria bassiana* 4798 4799

**Yugoslavia**

*Beauveria bassiana* 505 506 507 510  
Croatia  
*Beauveria bassiana* 509  
Serbia  
*Beauveria bassiana* 503 504

## Alternate Collections

Abbott Laboratories  
Brownbridge, Michael

### Abbott Laboratories

- 102A *Beauveria bassiana* 1782  
102B(2) *Beauveria bassiana* 1838  
104, 106 *Beauveria bassiana* 1783  
106 *Beauveria bassiana* 1839  
106(2) *Beauveria bassiana* 1652  
112 *Beauveria bassiana* 1654  
114(2) *Beauveria bassiana* 1653  
122-1 *Beauveria bassiana* 1651  
124 *Beauveria bassiana* 1747  
1985-3-69 *Beauveria bassiana* 1889  
89-201 *Beauveria bassiana* 2695  
AARC 8401-A(1) *Beauveria bassiana*  
1689  
AARC 8401-A(2) *Beauveria bassiana*  
1690  
AARC 8401-B *Beauveria bassiana* 1691  
AARC 8401-D *Beauveria bassiana* 1692  
Bb028-138 *Beauveria bassiana* 1843  
Bb028-148 *Beauveria bassiana* 1844  
Bb028-150 *Beauveria bassiana* 1845  
Bb028-5F *Beauveria bassiana* 1842  
Bb029-13 *Beauveria bassiana* 1846  
Bb029-13, "3 of 4" *Beauveria bassiana*  
1748

### Ahn, S.B.

- E5-1 *Beauveria bassiana* 2040

### Allee, Leslie

- 84-1 *Beauveria bassiana* 1704  
84-10 *Beauveria bassiana* 1711  
84-11 *Beauveria bassiana* 1712  
84-12 *Beauveria bassiana* 1713  
84-13 *Beauveria bassiana* 1721  
84-16 *Beauveria bassiana* 1749  
84-18 *Beauveria bassiana* 1750  
84-19 *Beauveria bassiana* 1722  
84-20 *Beauveria bassiana* 1723  
84-22 *Beauveria bassiana* 1775  
84-23 *Beauveria bassiana* 1776  
84-24 *Beauveria bassiana* 1777  
84-25 *Beauveria bassiana* 1778  
84-26 *Beauveria bassiana* 1779  
84-27 *Beauveria bassiana* 1780  
84-28 *Beauveria bassiana* 1781  
84-3 *Beauveria bassiana* 1705  
84-4 *Beauveria bassiana* 1706  
84-5 *Beauveria bassiana* 1707  
84-7 *Beauveria bassiana* 1708  
84-8 *Beauveria bassiana* 1709  
84-9 *Beauveria bassiana* 1710

### Altre, Jennifer

- BB5B#1 *Beauveria bassiana* 4540  
BB5B#4 *Beauveria bassiana* 4543

### Alves, Sergio Batista

- 196 *Beauveria bassiana* 1484  
197 *Beauveria bassiana* 1832  
210 *Beauveria brongniartii* 1830  
246 *Beauveria bassiana* 1479  
252 *Beauveria bassiana* 1480  
256 *Beauveria bassiana* 1478  
258 *Beauveria brongniartii* 1829  
267 *Beauveria bassiana* 1833  
268 *Beauveria bassiana* 1834  
290 *Beauveria bassiana* 2638

- 290 *Beauveria bassiana* 2559  
292 *Beauveria bassiana* 2639  
295 *Beauveria* sp. 1835  
309 *Beauveria bassiana* 1836  
447 *Beauveria bassiana* 3734  
61 *Beauveria bassiana* 1483  
621 *Beauveria amorpha* 2641  
63 *Beauveria bassiana* 1831  
695 *Beauveria bassiana* 2642  
721 *Beauveria bassiana* 2619  
726 *Beauveria bassiana* 2621

### Aoki, Joji

- Beau. 2 *Beauveria* sp. 1040  
Beau. 22 *Beauveria brongniartii* 985  
Beau. 3 *Beauveria bassiana* 1007  
Beau. 5 *Beauveria bassiana* 1001  
Isa. 1 *Beauveria bassiana* 1041

### APHIS

- WFP-361 *Beauveria bassiana* 5273

### ARSEF

- 1103 *Beauveria bassiana* 1558  
1451 (deaccessioned) *Beauveria bassiana*  
1971  
1481 (lost) *Beauveria brongniartii* 1829  
1482 (lost) *Beauveria brongniartii* 1830  
1555 *Beauveria bassiana* 3906  
1558 *Beauveria bassiana* 1103  
2320 *Beauveria bassiana* 3907  
2336 *Beauveria bassiana* 2883  
252 *Beauveria bassiana* 5285  
252 *Beauveria bassiana* 5284  
252 *Beauveria bassiana* 5286  
252 *Beauveria bassiana* 5283  
252 *Beauveria bassiana* 5282  
252 *Beauveria bassiana* 5281  
252 *Beauveria bassiana* 5280  
252 *Beauveria bassiana* 5279  
252 *Beauveria bassiana* 5278  
252 *Beauveria bassiana* 5277  
252 *Beauveria bassiana* 5276  
252 *Beauveria bassiana* 5275  
2559 *Beauveria bassiana* 2638  
2638 *Beauveria bassiana* 2559  
2879 *Beauveria bassiana* 4101  
2879 *Beauveria bassiana* 4100  
2879 *Beauveria bassiana* 4099  
2882 *Beauveria bassiana* 3905  
2883 *Beauveria bassiana* 2336  
3166 *Beauveria bassiana* 3891  
3385 *Beauveria bassiana* 3890  
3762 *Beauveria bassiana* 3825  
3908 *Beauveria bassiana* 3908  
7984 *Beauveria bassiana* 8638  
8638 *Beauveria bassiana* 7984

### ATCC

- 20872 *Beauveria bassiana* 2404  
24318 *Beauveria bassiana* 1  
26156 *Beauveria brongniartii* 617  
74040 *Beauveria bassiana* 8211  
74040 *Beauveria bassiana* 8210  
74040 *Beauveria bassiana* 8209  
74040 *Beauveria bassiana* 8208  
74040 *Beauveria bassiana* 8207  
74040 *Beauveria bassiana* 8206  
74040 *Beauveria bassiana* 8205  
74040 *Beauveria bassiana* 8204  
74040 *Beauveria bassiana* 8203  
74040 *Beauveria bassiana* 8202  
74040 *Beauveria bassiana* 8201  
74040 *Beauveria bassiana* 7795  
74250 *Beauveria bassiana* 6444

### Balazy, Stanislaw

- 1585a *Tritirachium isariae* 1425  
1594d *Beauveria brongniartii* 1366  
1597a *Beauveria bassiana* 1359  
1599 *Beauveria brongniartii* 1360

### Barakat, Radwan M.

- P.Bv1 *Beauveria bassiana* 8409  
P.Bv2 *Beauveria bassiana* 8410

### Bernal, M.C. Hugo Cesar Arredondo

- BbGC1 *Beauveria bassiana* 5740  
BbGC11 *Beauveria bassiana* 5745  
BbGC2 *Beauveria bassiana* 5741  
BbGC5 *Beauveria bassiana* 5742  
BbGC8 *Beauveria bassiana* 5743  
BbGC9 *Beauveria bassiana* 5744

### Booth, Steve R.

- Quinby; BSP *Beauveria* sp. 5078

### Boucias, Drion G.

- 5788 *Beauveria bassiana* 2555

### Bradley, Cliff

- GMP1 *Beauveria bassiana* 2570  
GMP2 *Beauveria bassiana* 2571

### Brito, Jorge

- 14A *Beauveria bassiana* 4799  
7A *Beauveria bassiana* 4798

### Broadbent, A. Bruce

- BB001 *Beauveria bassiana* 5807  
BB008 *Beauveria bassiana* 5808

### Brownbridge, Michael

- B-33 *Beauveria bassiana* 3543  
CA 603 *Beauveria bassiana* 7060  
CA-104 *Beauveria bassiana* 8958  
CA-105 *Beauveria bassiana* 8959  
CA-106 *Beauveria bassiana* 8960  
CA-107 *Beauveria bassiana* 8961  
CA-108 *Beauveria bassiana* 9219  
CA-108 *Beauveria bassiana* 8962  
CA-109 *Beauveria bassiana* 9233  
CA-110 *Beauveria bassiana* 8963  
CA-111 *Beauveria bassiana* 8964  
CA-112 *Beauveria bassiana* 9220  
CA-113 *Beauveria bassiana* 8965  
CA-114 *Beauveria bassiana* 8966  
CA-117 *Beauveria bassiana* 8967

CA-118 *Beauveria bassiana* 8968  
 CA-119 *Beauveria bassiana* 8969  
 CA-120 *Beauveria bassiana* 8970  
 CA-121 *Beauveria bassiana* 8971  
 CA-122 *Beauveria bassiana* 8972  
 CA-123 *Beauveria bassiana* 8973  
 CA-124 *Beauveria bassiana* 8974  
 CA-139 *Beauveria bassiana* 8975  
 CA-140 *Beauveria bassiana* 8976  
 CA-141 *Beauveria bassiana* 8977  
 CA-142 *Beauveria bassiana* 8978  
 CA-143 *Beauveria bassiana* 8979  
 CA-144 *Beauveria bassiana* 8980  
 CA-145 *Beauveria bassiana* 8981  
 CA-146 *Beauveria bassiana* 8982  
 CA-147 *Beauveria bassiana* 8983  
 CA-148 *Beauveria bassiana* 8933  
 CA-149 *Beauveria bassiana* 8934  
 CA-150 *Beauveria bassiana* 8935  
 CA-153 *Beauveria bassiana* 8936  
 CA-172 *Beauveria bassiana* 9346  
 CA-174 *Beauveria bassiana* 9347  
 CA-175 *Beauveria bassiana* 9348  
 CA-176 *Beauveria bassiana* 9349  
 CA-180 *Beauveria bassiana* 9350  
 CA-181 *Beauveria bassiana* 9351  
 CA-183 *Beauveria bassiana* 9352  
 CA-184 *Beauveria bassiana* 9353  
 CA-687 *Beauveria bassiana* 8937  
 CA-688 *Beauveria bassiana* 8938  
 CA-689 *Beauveria bassiana* 8939  
 CA-726 *Beauveria bassiana* 9202  
 CA-727 *Beauveria bassiana* 9205  
 CA-728 *Beauveria bassiana* 9206  
 CA-729 *Beauveria bassiana* 9207  
 CA-730 *Beauveria bassiana* 9222  
 CA-731 *Beauveria bassiana* 9229  
 CA-749 *Beauveria bassiana* 9193  
 CA-750 *Beauveria bassiana* 9194  
 CA-751 *Beauveria bassiana* 9197  
 CA-752 *Beauveria bassiana* 9199  
 CA-754 *Beauveria bassiana* 9203  
 CA-755 *Beauveria bassiana* 9204  
 CA-756 *Beauveria bassiana* 9208  
 CA-757 *Beauveria bassiana* 9212  
 CA-758 *Beauveria bassiana* 9223  
 CA-759 *Beauveria bassiana* 9224  
 CA-760 *Beauveria bassiana* 9230  
 CA-781 *Beauveria bassiana* 9195  
 CA-782 *Beauveria bassiana* 9200  
 CA-783 *Beauveria bassiana* 9209  
 CA-784 *Beauveria bassiana* 9210  
 CA-785 *Beauveria bassiana* 9213  
 CA-786 *Beauveria bassiana* 9221  
 CA-787 *Beauveria bassiana* 9225  
 CA-788 *Beauveria bassiana* 9226  
 CA-789 *Beauveria bassiana* 9231  
 CA-803 *Beauveria bassiana* 9196  
 CA-804 *Beauveria bassiana* 9198  
 CA-805 *Beauveria bassiana* 9201  
 CA-806 *Beauveria bassiana* 9214  
 CA-807 *Beauveria bassiana* 9215  
 CA-808 *Beauveria bassiana* 9216  
 CA-809 *Beauveria bassiana* 9227  
 CA-810 *Beauveria bassiana* 9228  
 CA-811 *Beauveria bassiana* 9232

CA-811 *Beauveria bassiana* 9211  
 CA-812 *Beauveria bassiana* 9234  
 CA-880 *Beauveria bassiana* 8940  
 CA-97 *Beauveria bassiana* 9345  
 EW1 *Beauveria bassiana* 5495  
 EW2 *Beauveria bassiana* 5496  
 FREY2 *Beauveria bassiana* 5493  
 FREY3 *Beauveria bassiana* 5494  
 MLC8 *Beauveria bassiana* 5492

**Bruck, Denny J.**  
 IP 951 *Beauveria brongniartii* 10278  
 IP 957 *Beauveria brongniartii* 10279  
 IP 969 *Beauveria brongniartii* 10280  
 IP-225 *Beauveria bassiana* 7363  
 IP-238 *Beauveria bassiana* 7364  
 IP-241 *Beauveria bassiana* 7365  
 IP-36 *Beauveria bassiana* 7356  
 IP-57 *Beauveria bassiana* 7357  
 IP-62 *Beauveria bassiana* 7358  
 IP-63 *Beauveria bassiana* 7359  
 IP-780 *Beauveria brongniartii* 10277  
 IP-94 *Beauveria bassiana* 7362

**Bulmer, G.S.**  
 05-78 *Beauveria bassiana* 2455

**CAAS**  
 4pl *Beauveria brongniartii* 4381  
 93.1 *Beauveria bassiana* 4382  
 CZN.9301 *Beauveria brongniartii* 4380

**Castrillo, Louela A.**  
 A1b1 *Beauveria bassiana(?)* 8811  
 A2s5 *Beauveria bassiana(?)* 8805  
 A3s2 *Beauveria bassiana(?)* 8807  
 A4s2 *Beauveria bassiana(?)* 8808  
 A5s1 *Beauveria bassiana(?)* 8809  
 A5s3 *Beauveria bassiana(?)* 8810  
 APMI1 *Beauveria bassiana* 8771  
 APMI2 *Beauveria bassiana* 8772  
 APMI3 *Beauveria bassiana* 8773  
 APMI4 *Beauveria bassiana* 8774  
 CA1 *Beauveria bassiana* 8237  
 CA6 *Beauveria bassiana* 8238  
 CD10 *Beauveria bassiana* 8239  
 CE1 *Beauveria bassiana* 8240  
 CE10 *Beauveria bassiana* 8241  
 FA1 *Beauveria bassiana* 8242  
 FB1 *Beauveria bassiana* 8243  
 FC1 *Beauveria bassiana* 8244  
 L1s1 *Beauveria bassiana(?)* 8801  
 L2s1 *Beauveria bassiana(?)* 8802  
 L3s1 *Beauveria bassiana(?)* 8803  
 L5s1 *Beauveria bassiana(?)* 8804  
 MI-01 *Beauveria bassiana* 8189  
 MI-02 *Beauveria bassiana* 8190  
 MI-03 *Beauveria bassiana* 8191  
 MI-04 *Beauveria bassiana* 8192  
 MI-05 *Beauveria bassiana* 8193  
 MI-06 *Beauveria bassiana* 8194  
 MI-07 *Beauveria bassiana* 8195  
 NY-1 *Beauveria bassiana* 6986  
 NY-11 *Beauveria bassiana* 6988  
 NY-5 *Beauveria bassiana* 6987  
 R6b1 *Beauveria bassiana(?)* 8812  
 R6b3 *Beauveria bassiana(?)* 8813  
 R7s1 *Beauveria bassiana(?)* 8817

R8b3 *Beauveria bassiana(?)* 8814  
 R8b5 *Beauveria bassiana(?)* 8815  
 R8b8 *Beauveria bassiana(?)* 8816  
 R8s1 *Beauveria bassiana(?)* 8818  
 R8s3 *Beauveria bassiana(?)* 8819  
 SFBb1 *Beauveria bassiana* 8245  
 SFBb2 *Beauveria bassiana* 8246  
 SFBb7 *Beauveria bassiana* 8247  
 TB1-1 *Beauveria bassiana* 8201  
 TB1-2 *Beauveria bassiana* 8202  
 TB1.1-1 *Beauveria bassiana* 8203  
 TB1.1-2 *Beauveria bassiana* 8204  
 TB1.3-1 *Beauveria bassiana* 8205  
 TB1.3-2 *Beauveria bassiana* 8206  
 TB1.4-1 *Beauveria bassiana* 8207  
 TB1.5-1 *Beauveria bassiana* 8208  
 TB1.5-2 *Beauveria bassiana* 8209  
 TB2.1-1 *Beauveria bassiana* 8210  
 TB2.1-2 *Beauveria bassiana* 8211

**CATIE**

1 *Beauveria bassiana* 3437  
 10 *Beauveria bassiana* 3446  
 11 *Beauveria bassiana* 3447  
 12 *Beauveria bassiana* 3448  
 13 *Beauveria bassiana* 3449  
 14 *Beauveria bassiana* 3450  
 15 *Beauveria bassiana* 3451  
 16 *Beauveria bassiana* 3452  
 17 *Beauveria bassiana* 3453  
 18 *Beauveria bassiana* 3454  
 19 *Beauveria bassiana* 3455  
 2 *Beauveria bassiana* 3438  
 20 *Beauveria bassiana* 3456  
 21 *Beauveria bassiana* 3457  
 3 *Beauveria bassiana* 3439  
 4 *Beauveria bassiana* 3440  
 5 *Beauveria bassiana* 3441  
 6 *Beauveria bassiana* 3442  
 7 *Beauveria bassiana* 3443  
 8 *Beauveria bassiana* 3444  
 9 *Beauveria bassiana* 3445

**CBS**

111238 *Beauveria bassiana* 1564  
 326.67 *Beauveria brongniartii* 7761  
 607.80 *Beauveria* sp. 2998  
 645.74 *Beauveria vermiciona* 2922  
 756.73 *Sporothrix insectorum* 2918  
 770.73 *Sporothrix insectorum* 2909

**CCFC**

DAOM 191855 *Beauveria caledonica*  
 2567

**CENARGEN**

CG 1010 *Beauveria bassiana* 8635  
 CG 1011 *Beauveria bassiana* 8636  
 CG 145 *Beauveria bassiana* 2957  
 CG 165 *Beauveria bassiana* 2961  
 CG 166 *Beauveria bassiana* 2962  
 CG 187 *Beauveria bassiana* 3477  
 CG 425 *Beauveria bassiana* 7983  
 CG 68 *Beauveria bassiana* 3018  
 CG 69 *Beauveria bassiana* 3019  
 CG 725 *Beauveria* sp. 7982  
 CG 86 *Beauveria bassiana* 3020  
 CG 882 *Beauveria bassiana* 8637

## Alternate Collections

CG 883 <i>Beauveria bassiana</i> 7984	<b>CNPAF</b>	84-03-31-6 <i>Beauveria bassiana</i> 1466
CG 883 <i>Beauveria bassiana</i> 8638		84-04-02-1A <i>Beauveria bassiana</i> 1474
<b>CENICAFÉ</b>		84-04-02-1B <i>Beauveria bassiana</i> 1473
Bb 9024 <i>Beauveria bassiana</i> 9184		84-04-02-2 <i>Beauveria bassiana</i> 1472
<b>CEP</b>		84-04-02-3 <i>Beauveria bassiana</i> 1470
001 <i>Beauveria bassiana</i> 8368		84-04-02-4 <i>Beauveria bassiana</i> 1471
002 <i>Beauveria bassiana</i> 8369		84-04-02-5A <i>Beauveria bassiana</i> 1467
058 <i>Beauveria bassiana</i> 7201		84-04-02-5B <i>Beauveria bassiana</i> 1468
059 <i>Beauveria bassiana</i> 7202		84-04-03-1A <i>Beauveria bassiana</i> 1465
061 <i>Beauveria</i> sp. 7463		84-04-03-1B <i>Beauveria bassiana</i> 1460
069 <i>Beauveria bassiana</i> 8459		84-04-03-1C <i>Beauveria bassiana</i> 1475
072 <i>Beauveria bassiana</i> 7464		84-04-03-1E <i>Beauveria bassiana</i> 1459
074 <i>Beauveria bassiana</i> 7465		84-04-03-6A <i>Beauveria bassiana</i> 1456
075 <i>Beauveria bassiana</i> 7466		84-04-03-6B <i>Beauveria bassiana</i> 1464
077 <i>Beauveria bassiana</i> 7467		84-04-25-1 <i>Beauveria bassiana</i> 1476
080 <i>Beauveria bassiana</i> 7468		84-3-12 <i>Beauveria bassiana</i> 1971
081 <i>Beauveria bassiana</i> 7469		85-7-22 <i>Beauveria bassiana</i> 1956
083 <i>Beauveria bassiana</i> 7470		85-7-23 <i>Beauveria bassiana</i> 1953
092 <i>Beauveria bassiana</i> 7471		85-7-23-1 <i>Beauveria bassiana</i> 1954
111 <i>Beauveria bassiana</i> 8460		85-7-23-2 <i>Beauveria bassiana</i> 1955
112 <i>Beauveria bassiana</i> 8520		85-7-24 <i>Beauveria bassiana</i> 2075
113 <i>Beauveria bassiana</i> 8521		85-7-24-2 <i>Beauveria bassiana</i> 1959
114 <i>Beauveria bassiana</i> 8522		85-7-24-3 <i>Beauveria bassiana</i> 1960
116 <i>Beauveria bassiana</i> 8523		85-7-24-4 <i>Beauveria bassiana</i> 1961
117 <i>Beauveria bassiana</i> 8524		86-3-26 <i>Beauveria bassiana</i> 2191
118 <i>Beauveria bassiana</i> 8525		88-5-6 <i>Beauveria bassiana</i> 2625
119 <i>Beauveria bassiana</i> 8526		88-5-6A <i>Beauveria bassiana</i> 2626
137 <i>Beauveria bassiana</i> 8370		88-6-17 <i>Beauveria bassiana</i> 2636
138 <i>Beauveria bassiana</i> 8461		88-6-22 <i>Beauveria bassiana</i> 2637
139 <i>Beauveria bassiana</i> 8528		PI-196 <i>Beauveria bassiana</i> 2629
140 <i>Beauveria bassiana</i> 8529		
141 <i>Beauveria bassiana</i> 8530		<b>CNPS</b>
142 <i>Beauveria bassiana</i> 8371		14 <i>Beauveria bassiana</i> 1053
147 <i>Beauveria bassiana</i> 8372		15 <i>Beauveria bassiana</i> 1054
148 <i>Beauveria bassiana</i> 8462		31 <i>Beauveria bassiana</i> 1060
149 <i>Beauveria bassiana</i> 8463		32 <i>Beauveria bassiana</i> 1061
150 <i>Beauveria bassiana</i> 8373		
151 <i>Beauveria bassiana</i> 8374		<b>Cole, Blaine J.</b>
175 <i>Beauveria bassiana</i> 8464		C2 <i>Beauveria bassiana</i> 7540
189 <i>Beauveria bassiana</i> 7776		C29 <i>Beauveria bassiana</i> 7541
249 <i>Beauveria bassiana</i> 8465		C33 <i>Beauveria amorphia</i> 7542
317 <i>Beauveria bassiana</i> 8929		
<b>Chandler, David</b>		<b>Cortez Madrigal, Hipolito</b>
HRI 462.99 <i>Beauveria bassiana</i> 6567		B1 <i>Beauveria bassiana</i> (?) 6890
HRI 342.92 <i>Beauveria bassiana</i> 6552		B2 <i>Beauveria bassiana</i> (?) 6891
HRI 347.92 <i>Beauveria bassiana</i> 6553		
HRI 365.92 <i>Beauveria bassiana</i> 6555		<b>CP</b>
HRI 367.93 <i>Beauveria bassiana</i> 6556		1 <i>Beauveria bassiana</i> 730
HRI 373.93 <i>Beauveria bassiana</i> 6557		10 <i>Beauveria bassiana</i> 736
HRI 386.93 <i>Beauveria bassiana</i> 6559		101 <i>Beauveria bassiana</i> 956
HRI 397.93 <i>Beauveria bassiana</i> 6560		102 <i>Beauveria bassiana</i> 957
HRI 405.94 <i>Beauveria bassiana</i> 6563		104 <i>Beauveria bassiana</i> 958
HRI 407.95 <i>Beauveria bassiana</i> 6564		124 <i>Beauveria bassiana</i> 1971
HRI 417.96 <i>Beauveria bassiana</i> 6565		125 <i>Beauveria bassiana</i> 1450
HRI 461.99 <i>Beauveria bassiana</i> 6566		14 <i>Beauveria bassiana</i> 735
HRI 465.99 <i>Beauveria bassiana</i> 6568		143 <i>Beauveria bassiana</i> 1453
<b>CIAT</b>		144 <i>Beauveria bassiana</i> 1454
013 <i>Sporothrix</i> sp. 6341		145 <i>Beauveria bassiana</i> 1455
044 <i>Beauveria bassiana</i> 6459		146 <i>Beauveria bassiana</i> 1456
<b>CIRI</b>		147 <i>Beauveria bassiana</i> 1457
Anderson Isolate <i>Beauveria bassiana</i>		148 <i>Beauveria bassiana</i> 1458
3113		149 <i>Beauveria bassiana</i> 1459
		150 <i>Beauveria bassiana</i> 1460
		151 <i>Beauveria bassiana</i> 1461
		152 <i>Beauveria bassiana</i> 1462
		153 <i>Beauveria bassiana</i> 1463
		154 <i>Beauveria bassiana</i> 1464
		155 <i>Beauveria bassiana</i> 1465

156 *Beauveria bassiana* 1466  
157 *Beauveria bassiana* 1467  
158 *Beauveria bassiana* 1468  
159 *Beauveria bassiana* 1469  
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165 *Beauveria bassiana* 1475  
166 *Beauveria bassiana* 1476  
168 *Beauveria bassiana* 1966  
178 *Beauveria bassiana* 1953  
179 *Beauveria bassiana* 1954  
180 *Beauveria bassiana* 1955  
181 *Beauveria bassiana* 1956  
183 *Beauveria bassiana* 2075  
185 *Beauveria bassiana* 1959  
186 *Beauveria bassiana* 1960  
187 *Beauveria bassiana* 1961  
188 *Beauveria bassiana* 1962  
198 *Beauveria bassiana* 2079  
20 *Beauveria bassiana* 737  
201 *Beauveria bassiana* 2191  
221 *Beauveria bassiana* 2511  
222 *Beauveria bassiana* 2520  
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227 *Beauveria bassiana* 2515  
228 *Beauveria bassiana* 2516  
229 *Beauveria bassiana* 2509  
23 *Beauveria bassiana* 738  
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270 *Beauveria bassiana* 2938  
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35 *Beauveria bassiana* 757  
36 *Beauveria bassiana* 753  
38 *Beauveria bassiana* 754  
4 *Beauveria bassiana* 756  
46 *Beauveria bassiana* 785  
47 *Beauveria bassiana* 784  
478(479?) *Beauveria bassiana* 3219  
48 *Beauveria bassiana* 804  
49 *Beauveria bassiana* 805  
5 *Beauveria bassiana* 731  
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51 *Beauveria bassiana* 786  
53 *Beauveria bassiana* 806

58 *Beauveria bassiana* 787  
59 *Beauveria bassiana* 783  
6 *Beauveria bassiana* 732  
61 *Beauveria bassiana* 809  
63 *Beauveria bassiana* 928  
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69 *Beauveria bassiana* 931  
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88 *Beauveria bassiana* 947  
89 *Beauveria bassiana* 948  
9 *Beauveria bassiana* 734  
90 *Beauveria bassiana* 949  
91 *Beauveria bassiana* 950  
92 *Beauveria bassiana* 951  
93 *Beauveria bassiana* 952  
95 *Beauveria bassiana* 982  
98 *Beauveria bassiana* 953

**CSIRO**

FI-0001 *Beauveria bassiana* 7813  
FI-0016 *Beauveria bassiana* 8493  
FI-0018 *Beauveria bassiana* 8494  
FI-0079 *Beauveria bassiana* 8891  
FI-0210 *Beauveria bassiana* 7853  
FI-0277 *Beauveria bassiana* 7877  
FI-0278 *Beauveria bassiana* 7878  
FI-0293 *Beauveria bassiana* 7889  
FI-0294 *Beauveria bassiana* 7890  
FI-0296 *Beauveria bassiana* 7891  
FI-0570 *Beauveria bassiana* 8065  
FI-0571 *Beauveria bassiana* 8066  
FI-0697 *Beauveria bassiana* 8076  
FI-0701 *Beauveria bassiana* 8077  
FI-0703 *Beauveria bassiana* 8078  
FI-0705 *Beauveria bassiana* 8079  
FI-0898 *Beauveria bassiana* 8578  
FI-0899 *Beauveria bassiana* 8579  
FI-1144 *Beauveria bassiana* 8751  
FI-1145 *Beauveria bassiana* 8752  
FI-1150 *Beauveria bassiana* 8753  
FI-1153 *Beauveria bassiana* 8756  
FI-1154 *Beauveria bassiana* 8757  
FI-1162 *Beauveria bassiana* 8763  
FI-1261 *Beauveria bassiana* 8835  
FI-1262 *Beauveria bassiana* 8836  
FI-1311 *Beauveria bassiana* 8843  
FI-1315 *Beauveria bassiana* 8846  
FI-1348 *Beauveria bassiana* 8853  
FI-1349 *Beauveria bassiana* 8854  
FI49 *Beauveria bassiana* 325  
FI50 *Beauveria bassiana* 326  
FI51 *Beauveria bassiana* 356

**Dalbello, Gustavo**

#6 *Beauveria bassiana* 5500  
#7 *Beauveria bassiana* 5501  
#8 *Beauveria bassiana* 5502

**Daoust, Richard A.**

Bb-Z1 *Beauveria bassiana* 477

**DAT**

102 *Beauveria bassiana* 4658  
105 *Beauveria* sp. 4254  
115 *Beauveria bassiana* 4685  
140 *Beauveria bassiana* 4721  
142 *Beauveria amorpha* 4149  
143 *Beauveria bassiana* 4274  
144 *Beauveria bassiana* 4150  
15 *Beauveria bassiana* 4135  
17 *Beauveria bassiana* 4136  
199 *Beauveria bassiana* 4285  
219 *Beauveria bassiana* 4670  
224 *Beauveria bassiana* 4222  
232 *Beauveria bassiana* 4271  
243 *Beauveria bassiana* 4356  
251 *Beauveria bassiana* 4261  
276 *Beauveria bassiana* 4300  
288 *Beauveria bassiana* 4326  
305 *Beauveria bassiana* 4583  
307 *Beauveria bassiana* 4564  
308 *Beauveria australis* 4598  
309 *Beauveria bassiana* 4240  
327 *Beauveria bassiana* 4305  
328 *Beauveria bassiana* 4301  
329 *Beauveria bassiana* 4644  
330 *Beauveria bassiana* 4741  
333 *Beauveria caledonica* 4302  
334 *Beauveria bassiana* 4320  
335 *Beauveria bassiana* 4353  
336 *Beauveria bassiana* 4571  
346 *Beauveria bassiana* 4744  
347 *Beauveria bassiana* 4745  
367 *Beauveria malawiensis* 4755  
41 *Beauveria bassiana* 4607  
416 *Microhilum oncoperae* 4767  
417 *Microhilum oncoperae* 4768  
42 *Beauveria bassiana* 4589  
420 *Microhilum oncoperae* 4769  
421 *Microhilum oncoperae* 4770  
422 *Microhilum oncoperae* 4771  
424 *Microhilum oncoperae* 4358  
459 *Beauveria australis* 4622  
460 *Beauveria australis* 4580  
48 *Beauveria bassiana* 4672  
49 *Beauveria bassiana* 4258  
500 *Beauveria bassiana* 4289  
7 *Beauveria bassiana* 4130  
84 *Beauveria bassiana* 4616  
85 *Beauveria bassiana* 4297  
9 *Beauveria bassiana* 4273  
90 *Beauveria bassiana* 4611  
95 *Beauveria bassiana* 4612  
99 *Beauveria bassiana* 4276

## Alternate Collections

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### **Demirbag, Zihni**

KTU-11 *Beauveria bassiana* 8343  
 KTU-17 *Beauveria bassiana* 8349  
 KTU-22 *Beauveria bassiana* 8354  
 KTU-23 *Beauveria bassiana* 8355  
 KTU-24 *Beauveria bassiana* 8356  
 KTU-25 *Beauveria bassiana* 8431  
 KTU-38 *Beauveria bassiana* 8444  
 KTU-50 *Beauveria bassiana* 8661  
 KTU-52 *Beauveria bassiana* 8663  
 KTU-53 *Beauveria bassiana* 8664  
 KTU-55 *Beauveria bassiana* 8666  
 KTU-56 *Beauveria bassiana* 8667  
 KTU-57 *Beauveria bassiana* 8668  
 KTU-59 *Beauveria bassiana* 8670  
 KTU-61 *Beauveria bassiana* 8672  
 KTU-62 *Beauveria bassiana* 8673  
 KTU-63 *Beauveria bassiana* 8674  
 KTU-64 *Beauveria* sp. 8675  
 KTU-7 *Beauveria bassiana* 8339  
 KTU-8 *Beauveria bassiana* 8340

### **Deseö, Katlin V.**

10 *Beauveria bassiana* 1104  
 103 *Beauveria bassiana* 1564  
 109 *Beauveria bassiana* 1565  
 17 *Beauveria bassiana* 1105  
 25 *Beauveria bassiana* 1106  
 26 *Beauveria bassiana* 1107  
 31 *Beauveria bassiana* 1110  
 38 *Beauveria bassiana* 1113  
 39 *Beauveria bassiana* 1114  
 40A *Beauveria bassiana* 1115  
 41 *Beauveria bassiana* 1117  
 45 *Beauveria bassiana* 1118  
 47 *Beauveria bassiana* 1119  
 8 *Beauveria bassiana* 1558  
 8 *Beauveria bassiana* 1103  
 81 *Beauveria bassiana* 1121  
 83 *Beauveria bassiana* 1122  
 88 *Beauveria bassiana* 1559  
 89 *Beauveria bassiana* 1560  
 90 *Beauveria bassiana* 1561  
 91 *Beauveria bassiana* 1562  
 92 *Beauveria bassiana* 1563

### **Devi, K. Uma**

4U *Beauveria bassiana* 6643  
 5U *Beauveria bassiana* 6644  
 KB5 *Beauveria bassiana* 6646  
 LOCAL/PIV *Beauveria bassiana* 6648  
 LOCAL/UAS *Beauveria bassiana* 6647  
 PIV *Beauveria bassiana* 6650

### **Dubois, Thomas L.**

HF 2 c 1 *Beauveria bassiana* 6390  
 ST 1 # 1 (1) *Beauveria bassiana* 6391  
 T7 (2) (2) *Beauveria bassiana* 6387  
 VD 12 rep b *Beauveria bassiana* 6393  
 WU 20 (2) *Beauveria amorphula(?)* 6827

### **Entz, Susan**

FM06-2B *Beauveria bassiana* 8213

### **Erkiliç, Lerzan**

Hursit Dagi-1 *Beauveria bassiana* 5725  
 Pazarcık/Karabiyikli-1 *Beauveria bassiana* 5724

### **ERL**

101 *Beauveria bassiana* 5770  
 1040 *Beauveria bassiana* 9345  
 1041 *Beauveria bassiana* 9346  
 1042 *Beauveria bassiana* 9347  
 1043 *Beauveria bassiana* 9348  
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 1049 *Beauveria bassiana* 9353  
 155 *Beauveria bassiana* 10347  
 1578 *Beauveria bassiana* 9297  
 1589 *Beauveria bassiana* 9289  
 1590 *Beauveria bassiana* 9290  
 1591 *Beauveria bassiana* 9291  
 1602 *Beauveria bassiana* 9298  
 1603 *Beauveria bassiana* 9299  
 1604 *Beauveria bassiana* 9300  
 1605 *Beauveria bassiana* 9301  
 1606 *Beauveria bassiana* 9302  
 1635 *Beauveria* sp. 9335  
 1636 *Beauveria* sp. 9336  
 1637 *Beauveria* sp. 9337  
 1638 *Beauveria* sp. 9338  
 1639 *Beauveria* sp. 9339  
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 1641 *Beauveria* sp. 9341  
 1642 *Beauveria* sp. 9342  
 1643 *Beauveria* sp. 9343  
 1644 *Beauveria* sp. 9344  
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 1703 *Beauveria bassiana* 9420

666 *Beauveria bassiana* 8973  
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684 *Beauveria bassiana* 8940  
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813 *Beauveria bassiana* 9230  
814 *Beauveria bassiana* 9231  
815 *Beauveria bassiana* 9232  
816 *Beauveria bassiana* 9233  
817 *Beauveria bassiana* 9234

**ESALQ**

447 *Beauveria bassiana* 2404  
478 *Beauveria bassiana* 2401  
483 *Beauveria bassiana* 2402  
484 *Beauveria bassiana* 2403

**Evans BioControl**  
447 *Beauveria bassiana* 2722  
479 *Beauveria bassiana* 2723  
**Evans, Harry C.**  
Ro 596 *Beauveria caledonica* 2251  
**Feng, Ming-Guang**  
DN8803 *Beauveria bassiana* 2861  
DN8804 *Beauveria bassiana* 2864  
DN8805 *Beauveria bassiana* 2879  
DN8806 *Beauveria bassiana* 2882  
SG8701 *Beauveria bassiana* 2880  
SG8702 *Beauveria bassiana* 2860  
SG8801 *Beauveria bassiana* 2881  
SGBB8601 *Beauveria bassiana* 2883  
SGBB8601 *Beauveria bassiana* 2336  
**Fermone Corporation**  
FCI-7744 *Beauveria bassiana* 7795  
FCI-7744 *Beauveria bassiana* 3097  
**Ferron, P.**  
6 *Beauveria brongniartii* 617  
**Flor, Lina B.**  
SCIs3 *Beauveria pseudobassiana* 8046  
**Forschler, Brian T.**  
RF-2 *Beauveria bassiana* 2270  
RF-3 *Beauveria brongniartii* 2271  
**Fry, Ken**  
ARC 4 *Beauveria bassiana* 6920  
ARC 5 *Beauveria bassiana* 6921  
ARC 6 *Beauveria bassiana* 6922  
ARC 7 *Beauveria bassiana* 6923  
ARC 8 *Beauveria bassiana* 6924  
**Fuxa, James R.**  
W-6291 *Beauveria bassiana* 6906  
W-7191 *Beauveria bassiana* 6907  
W-8021 *Beauveria bassiana* 6908  
**GCRI**  
64-82 *Beauveria brongniartii* 979  
**Geden, Christopher J.**  
B 90 *Beauveria bassiana* 5342  
D 90 *Beauveria bassiana* 5343  
H 90 *Beauveria bassiana* 5344  
L 89 *Beauveria bassiana* 5340  
L 90 *Beauveria bassiana* 5345  
P 89 *Beauveria bassiana* 5339  
P 89 *Beauveria bassiana* 3112  
Pow 90 *Beauveria bassiana* 5346  
W 89 *Beauveria bassiana* 5341  
W 90 *Beauveria bassiana* 5347  
**Ghazavi, Mehran**  
1 *Beauveria bassiana* 6903  
2 *Beauveria bassiana* 6904  
3 *Beauveria bassiana* 6905  
**Goettel, Mark S.**  
MISI *Beauveria bassiana* 3462  
**Gopalakrishnan, C.**  
31 *Beauveria brongniartii* 2660

**Gouli, Svetlana**  
AT-086 *Beauveria bassiana* 5770  
CA-603/Thr.-09 *Beauveria bassiana* 9587  
CA-753 *Beauveria bassiana* 10186  
DV-05-1 *Beauveria bassiana* 9297  
DV-05-11 *Beauveria bassiana* 9299  
DV-05-17 *Beauveria bassiana* 9301  
GA-81 *Beauveria bassiana* 5169  
GA-82 *Beauveria bassiana* 5170  
GA-83 *Beauveria bassiana* 5171  
GA-84 *Beauveria bassiana* 5172  
GA-85 *Beauveria bassiana* 5173  
GA-86 *Beauveria* sp. 5174  
GA-91 *Beauveria bassiana*(?) 5182  
GA-96 *Beauveria* sp. 5186  
GA-97 *Beauveria* sp. 5187  
GHA/WFT.09 *Beauveria bassiana* 9588  
Thr-08(G-24) *Beauveria bassiana* 9370  
Thr-08-B/10 *Beauveria* sp. 9339  
Thr-08-B/12 *Beauveria* sp. 9341  
Thr-08-B/14 *Beauveria* sp. 9343  
Thr-08-B/6 *Beauveria* sp. 9335  
Thr-08-B/8 *Beauveria* sp. 9337  
Thr.-10-1 *Beauveria bassiana* 10138  
Thr.-10-11 *Beauveria bassiana* 10148  
Thr.-10-3 *Beauveria bassiana* 10140  
Thr.-10-5 *Beauveria bassiana* 10142  
Thr.-10-7 *Beauveria bassiana* 10144  
**Gouli, Vladimir**  
DV-05-15 *Beauveria bassiana* 9300  
DV-05-22 *Beauveria bassiana* 9302  
DV-05-7 *Beauveria bassiana* 9298  
SP-174 *Beauveria bassiana* 6016  
SPT-R-134 *Beauveria bassiana* 6008  
SPT-R-145 *Beauveria bassiana* 6009  
SPT-R-148 *Beauveria bassiana* 6039  
SPT-R-152 *Beauveria bassiana* 6040  
SPT-R-153 *Beauveria bassiana* 6041  
SPT-R-158 *Beauveria bassiana* 6042  
SPT-R-159 *Beauveria bassiana* 6011  
SPT-R-161 *Beauveria bassiana* 6043  
SPT-R-162 *Beauveria bassiana* 6013  
SPT-R-170 *Beauveria bassiana* 6014  
SPT-R-171 *Beauveria bassiana* 6015  
SPT-R-184 *Beauveria bassiana* 6019  
SPT-R-200 *Beauveria bassiana* 6022  
SPT-R-201 *Beauveria brongniartii* 6023  
Thr-08-B/11 *Beauveria* sp. 9340  
Thr-08-B/13 *Beauveria* sp. 9342  
Thr-08-B/15 *Beauveria* sp. 9344  
Thr-08-B/7 *Beauveria* sp. 9336  
Thr-08-B/9 *Beauveria* sp. 9338  
Thr.-08-B/17 *Beauveria bassiana* 9388  
Thr.-08-B/18 *Beauveria bassiana* 9389  
Thr.-08-B/19 *Beauveria bassiana* 9390  
Thr.-08-B/20 *Beauveria bassiana* 9391  
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95058 <i>Beauveria bassiana</i> 5066	MF-242 <i>Beauveria</i> sp. 8151	
95059 <i>Beauveria bassiana</i> 5067	MF-243 <i>Beauveria</i> sp. 8152	
95060 <i>Beauveria bassiana</i> 5069	MF-244 <i>Beauveria</i> sp. 8153	
95062 <i>Beauveria bassiana</i> 5070	MF-245 <i>Beauveria</i> sp. 8154	
95063 <i>Beauveria bassiana</i> 5071	MF-247 <i>Beauveria</i> sp. 8156	
95064 <i>Beauveria bassiana</i> 5072	MF-249 <i>Beauveria</i> sp. 8158	
96007 <i>Beauveria bassiana</i> 5229	MF-250 <i>Beauveria</i> sp. 8159	
96008 <i>Beauveria bassiana</i> 5230	MF-251 <i>Beauveria</i> sp. 8160	
96009 <i>Beauveria bassiana</i> 5231	MF-252 <i>Beauveria</i> sp. 8161	
96011 <i>Beauveria bassiana</i> 5233	MF-255 <i>Beauveria</i> sp. 8164	
96012 <i>Beauveria bassiana</i> 5234	MF-258 <i>Beauveria</i> sp. 8166	
96013 <i>Beauveria bassiana</i> 5235	MF-259 <i>Beauveria</i> sp. 8167	
96015 <i>Beauveria brongniartii</i> 5355	MF-260 <i>Beauveria</i> sp. 8168	
96016 <i>Beauveria brongniartii</i> 5356	MF-261 <i>Beauveria</i> sp. 8169	
96017 <i>Beauveria brongniartii</i> 5357	MF-263 <i>Beauveria</i> sp. 8170	
96018 <i>Beauveria brongniartii</i> 5358	MF-264 <i>Beauveria</i> sp. 8171	
96019 <i>Beauveria brongniartii</i> 5359	MF-265 <i>Beauveria</i> sp. 8172	
96020 <i>Beauveria brongniartii</i> 5360	MF-266 <i>Beauveria</i> sp. 8173	
96021 <i>Beauveria brongniartii</i> 5361	MF-267 <i>Beauveria</i> sp. 8174	
96022 <i>Beauveria brongniartii</i> 5362	MF-268 <i>Beauveria</i> sp. 8175	
96023 <i>Beauveria brongniartii</i> 5363	MF-270 <i>Beauveria</i> sp. 8176	
96024 <i>Beauveria brongniartii</i> 5364	MF-271 <i>Beauveria</i> sp. 8177	
<b>Likhovidov, Vladimir</b>	MF-272 <i>Beauveria</i> sp. 8178	
24/89 <i>Beauveria bassiana</i> 7593	MF-274 <i>Beauveria</i> sp. 8180	
Vg-19 (3ts) <i>Beauveria bassiana</i> 7592	MF-276 <i>Beauveria</i> sp. 8181	
	MF-279 <i>Beauveria</i> sp. 8182	
	MF-283 <i>Beauveria</i> sp. 8185	
	MF-284 <i>Beauveria</i> sp. 8186	
	MF-285 <i>Beauveria</i> sp. 8187	
<b>Lomer, Christopher J.</b>		
SP-127 <i>Beauveria bassiana</i> 10348		
SP-128 <i>Beauveria bassiana</i> 10349		
<b>López Lastra, Claudia</b>		
1 C <i>Beauveria bassiana</i> 7202		
2 B <i>Beauveria bassiana</i> 7201		
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881 <i>Beauveria bassiana</i> 8368		
882 <i>Beauveria bassiana</i> 8369		
883 <i>Beauveria bassiana</i> 8459		
891 <i>Beauveria bassiana</i> 8370		
892 <i>Beauveria bassiana</i> 8528		
893 <i>Beauveria bassiana</i> 8529		
894 <i>Beauveria bassiana</i> 8371		
896 <i>Beauveria bassiana</i> 8372		
897 <i>Beauveria bassiana</i> 8373		
898 <i>Beauveria bassiana</i> 8374		
900 <i>Beauveria bassiana</i> 8464		
<b>Luz, Wolf Christian</b>		
eco 78 <i>Beauveria bassiana</i> 8475		
<b>MAF</b>		
F1 <i>Beauveria brongniartii</i> 3054		
F13 <i>Beauveria bassiana</i> 3063		
F28 <i>Beauveria bassiana</i> 3065		
F29 <i>Beauveria bassiana</i> 3066		
F33 <i>Beauveria bassiana</i> 3070		
F6 <i>Beauveria bassiana</i> 3055		
<b>Majchrowicz, Irena</b>		
23 <i>Beauveria bassiana</i> 3386		
25-a <i>Beauveria bassiana</i> 3385		
56 <i>Beauveria bassiana</i> 1509		
58 <i>Beauveria bassiana</i> 1510		
75 <i>Beauveria bassiana</i> 1511		

- McGuire, Michael R.**  
2-10 *Beauveria bassiana* 6660  
5-43 *Beauveria bassiana* 6661
- McKown, P.D.**  
C-7 *Beauveria bassiana* 3534
- McManus, Jennifer**  
DnBb203PSS#1 *Beauveria bassiana* 4462  
DnBb203PSS#2 *Beauveria bassiana* 4463  
DnBb203PSS#3 *Beauveria bassiana* 4464  
DnBb25:2882.3Pss#1 *Beauveria bassiana* 4694  
DnBb25:F-1.3Pss#1 *Beauveria bassiana* 4697  
DnBb2g4p.ss1 *Beauveria bassiana* 4099  
DnBb2g4p.ss2 *Beauveria bassiana* 4100  
DnBb2g4p.ss3 *Beauveria bassiana* 4101  
DnBb30.252.3P *Beauveria bassiana* 4691  
DnBb30.320.3P *Beauveria bassiana* 4692  
DnBb30:2883.3P *Beauveria bassiana* 4695  
DnBb30:3385.3P *Beauveria bassiana* 4696  
DnBb30:708.3P *Beauveria bassiana* 4693  
DnBbV64.1 2p *Beauveria bassiana* 4976  
DnBbV64.2 2p *Beauveria bassiana* 4977  
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DnBbV64.4 2p *Beauveria bassiana* 4979  
HcBbF66.1 2p *Beauveria bassiana* 4974  
HcBbF66.2 2p *Beauveria bassiana* 4975  
HcBbV64 2p *Beauveria bassiana* 4973
- Mechaber, Wendy**  
weevil#2354 *Beauveria bassiana* 3037
- Mercadier, Guy**  
EBCL 00045 *Beauveria bassiana* 6793  
EBCL 00046 *Beauveria bassiana* 6794  
EBCL 00047 *Beauveria bassiana* 6795  
EBCL 00048 *Beauveria bassiana* 6796  
EBCL 05002 *Beauveria bassiana* 8254  
EBCL 05005 *Beauveria bassiana* 8255  
EBCL 05006 *Beauveria bassiana* 8256  
EBCL 05007 *Beauveria varroae* 8257  
EBCL 05011 *Beauveria bassiana* 8258  
EBCL 05012 *Beauveria varroae* 8259  
EBCL 97001 *Beauveria bassiana* 5436  
EBCL 97002 *Beauveria bassiana* 5437  
EBCL 97003 *Beauveria bassiana* 5438  
EBCL 97004 *Beauveria bassiana* 5439  
EBCL 97005 *Beauveria bassiana* 5440  
EBCL 97006 *Beauveria bassiana* 5477  
EBCL 97007 *Beauveria bassiana* 5478  
EBCL 97008 *Beauveria bassiana* 5479  
EBCL 97009 *Beauveria bassiana* 5480  
EBCL 97010 *Beauveria bassiana* 5481  
EBCL 97011 *Beauveria bassiana* 5454  
EBCL 97012 *Beauveria bassiana* 5455  
EBCL 97013 *Beauveria bassiana* 5456  
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EBCL 97015 *Beauveria bassiana* 5458  
EBCL 97016 *Beauveria bassiana* 5443  
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EBCL 97018 *Beauveria bassiana* 5445
- EBCL 97019 *Beauveria bassiana* 5446  
EBCL 97020 *Beauveria bassiana* 5447  
EBCL 97021 *Beauveria bassiana* 5448  
EBCL 97022 *Beauveria bassiana* 5449  
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EBCL 97026 *Beauveria bassiana* 5453  
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EBCL 97028 *Beauveria bassiana* 5442  
EBCL 97029 *Beauveria bassiana* 5459  
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EBCL 97032 *Beauveria bassiana* 5482  
EBCL 97033 *Beauveria bassiana* 5483  
EBCL 97034 *Beauveria bassiana* 5484  
EBCL 97036 *Beauveria bassiana* 5485  
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EBCL 97038 *Beauveria bassiana* 5487  
EBCL 97039 *Beauveria bassiana* 5488  
EBCL 97040 *Beauveria bassiana* 5489  
EBCL 97041 *Beauveria bassiana* 5490
- Meyling, Nicolai Vitt**  
KVL 03-118 *Beauveria bassiana* 8030  
KVL 03-122 *Beauveria bassiana* 8031  
KVL 03-129 *Beauveria bassiana* 8032  
KVL 03-136 *Beauveria bassiana* 8033  
KVL 03-140 *Beauveria brongniartii* 8034  
KVL 03-142 *Beauveria bassiana* 8035  
KVL 03-148 *Beauveria bassiana* 8036  
KVL 03-70 *Beauveria caledonica* 8024  
KVL 03-72 *Beauveria bassiana* 8025  
KVL 03-81 *Beauveria bassiana* 8026  
KVL 03-85 *Beauveria bassiana* 8027  
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KVL 04-92 *Beauveria bassiana* 8039  
KVL 04-93 *Beauveria bassiana* 8040  
KVL 06-01 *Beauveria bassiana* 7954
- Milner, Richard J.**  
Fl1 *Beauveria bassiana* 4130  
Fl17 *Beauveria bassiana* 4607  
Fl25 *Beauveria bassiana* 4589
- Muthappa, B.N.**  
PNG 12723 *Beauveria* sp. 2164
- Mycotech Corporation**  
BB726 *Beauveria bassiana* 6444  
GHA *Beauveria bassiana* 6444
- Narayanan, K.**  
9 *Beauveria* sp. 2412
- Nasca, A.J.**  
Bb-T11 *Beauveria bassiana* 2457
- Nash, T.**  
MIT1 *Beauveria bassiana* 338
- NCTC**  
2227 *Beauveria bassiana* 2454
- Neumann, Gábor**  
HDM 1 *Beauveria bassiana* 6884  
HDM 2 *Beauveria bassiana* 6885
- NRRL**  
22865 *Beauveria bassiana* 6643  
22866 *Beauveria bassiana* 6644  
30976 *Beauveria bassiana* 8254
- Osborne, Lance S.**  
UK-3(1) *Beauveria bassiana* 2236
- Parker, Bruce L.**  
AT 036 *Beauveria bassiana* 5767  
AT 050 *Beauveria bassiana* 5768  
AT 052 *Beauveria bassiana* 5769  
AT 062 *Beauveria bassiana*(?) 5816  
AT 063 *Beauveria bassiana*(?) 5817  
AT 069 *Beauveria bassiana*(?) 5818  
AT-C-216 *Beauveria bassiana* 6027  
AVRDC-0511B *Beauveria bassiana* 4866  
HWA 242/2 *Beauveria bassiana*(?) 5815  
HWA 289/1 *Beauveria bassiana* 5796  
SP-3 *Beauveria bassiana* 10347  
SP-374 *Beauveria bassiana* 10350  
SP-379 *Beauveria bassiana* 10351  
SP-403 *Beauveria bassiana* 8932  
SP-464 *Beauveria bassiana* 10352  
SP-482 *Beauveria bassiana* 10353  
SP-493 *Beauveria bassiana* 10355  
SP-504 *Beauveria bassiana* 10357  
SP-566 *Beauveria bassiana* 10359  
SP-582 *Beauveria bassiana* 10361  
SPT 001 *Beauveria bassiana* 5753  
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SPT 013/1 *Beauveria* sp. 5833  
SPT 046 *Beauveria bassiana* 5762  
SPT 11(a) *Beauveria* sp. 5832  
SPT-002 *Beauveria bassiana* 5665  
SPT-008 *Beauveria bassiana* 5667  
SPT-010 *Beauveria bassiana* 5668  
SPT-018 *Beauveria bassiana* 5669  
SPT-019 *Beauveria bassiana* 5670  
SPT-020 *Beauveria* sp. 5678  
SPT-021 *Beauveria bassiana* 5671  
SPT-022 *Beauveria bassiana* 5672  
SPT-023 *Beauveria bassiana* 5673  
SPT-032 *Beauveria bassiana* 5674  
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SPT-101 *Beauveria* sp. 5686  
SPT-2-309/2 *Beauveria bassiana* 6086  
SPT-2-312 *Beauveria bassiana* 6087  
SPT-2-315 *Beauveria bassiana* 6088  
SPT-2-318 *Beauveria bassiana* 6089  
SPT-2-319/2 *Beauveria bassiana* 6090  
SPT-2-321/1 *Beauveria bassiana* 6091  
SPT-3-372 *Beauveria bassiana* 6149  
SPT-KR-452 *Beauveria bassiana* 6499  
SPT-KZ-375 *Beauveria bassiana* 6478  
SPT-KZ-406 *Beauveria bassiana* 6483  
SPT-U-250 *Beauveria bassiana* 6055  
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 SPT-U-254 *Beauveria bassiana* 6058  
 SPT-U-255 *Beauveria bassiana* 6059  
 SPT-U-257 *Beauveria bassiana* 6109  
 SPT-U-259 *Beauveria bassiana* 6060  
 SPT-U-260 *Beauveria bassiana* 6083  
 SPT-U-261 *Beauveria bassiana* 6061  
 SPT-U-262 *Beauveria bassiana* 6062  
 SPT-U-263 *Beauveria bassiana* 6063  
 SPT-U-264 *Beauveria bassiana* 6064  
 SPT-U-267 *Beauveria bassiana* 6065  
 SPT-U-268 *Beauveria bassiana* 6066  
 SPT-U-269 *Beauveria bassiana* 6067  
 SPT-U-272 *Beauveria bassiana* 6069  
 SPT-U-273 *Beauveria bassiana* 6070  
 SPT-U-291 *Beauveria bassiana* 6072  
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 SPT-U-293 *Beauveria bassiana* 6074  
 SPT-U-294 *Beauveria bassiana* 6075  
 SPT-U-295 *Beauveria bassiana* 6111  
 SPT-U-296 *Beauveria bassiana* 6112  
 SPT-U-297 *Beauveria bassiana* 6113  
 SPT-U-300 *Beauveria bassiana* 6076  
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 SPT-U-308 *Beauveria bassiana* 6078  
 SPT-U-310 *Beauveria bassiana* 6079  
 SPT-U-323 *Beauveria bassiana* 6092  
 SPT-U-326 *Beauveria bassiana* 6093  
 SPT-U-335 *Beauveria bassiana* 6095  
 SPT-U-338 *Beauveria bassiana* 6096  
 SPT-U-349 *Beauveria bassiana* 6115  
 SPT-U-354/2 *Beauveria bassiana* 6099

**Pava-Ripoll, Monica**

Bb UMD-Greenhouse *Beauveria bassiana* 8998

**Pereault, Renee J.**

bpci#1 *Beauveria bassiana* 8260  
 bpci#2 *Beauveria bassiana* 8261  
 bpci#3 *Beauveria bassiana* 8262  
 bpci#5 *Beauveria bassiana* 8263  
 bbsi#11 *Beauveria bassiana* 8271  
 bbsi#14 *Beauveria bassiana* 8272  
 bbsi#17 *Beauveria bassiana* 8273  
 bbsi#18 *Beauveria bassiana* 8274  
 bbsi#19 *Beauveria bassiana* 8275  
 bbsi#20 *Beauveria bassiana* 8276

**Poprawski, Tadeusz J.**

001 *Beauveria* sp. 1195  
 002 *Beauveria* sp. 1196  
 004 *Beauveria* sp. 1197  
 005 *Beauveria* sp. 1198  
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 0102B *Beauveria bassiana* 1513  
 0103A *Beauveria bassiana* 1514  
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 0127B *Beauveria bassiana* 1531  
 0128A *Beauveria bassiana* 1533  
 0128B *Beauveria bassiana* 1534  
 013 *Beauveria* sp. 1199  
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 0130B *Beauveria bassiana* 1536  
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 0131B *Beauveria bassiana* 1538  
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 0133B *Beauveria bassiana* 1635  
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 0135A *Beauveria bassiana* 1637  
 0135B *Beauveria bassiana* 1638  
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 0166D *Beauveria bassiana* 1819  
 0167A *Beauveria bassiana* 1820  
 0167B *Beauveria bassiana* 1821  
 0167C *Beauveria bassiana* 1811  
 0168 *Beauveria bassiana* 1864  
 0169 *Beauveria bassiana* 1865  
 0170 *Beauveria bassiana* 1866  
 0175 *Beauveria bassiana* 1988  
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 0185 *Beauveria bassiana* 1982  
 0187 *Beauveria bassiana* 1984  
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 070B *Beauveria bassiana* 1315  
 070C *Beauveria bassiana* 1316  
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 079D *Beauveria bassiana* 1323  
 079E *Beauveria bassiana* 1324  
 079F *Beauveria bassiana* 1325  
 080 *Beauveria bassiana* 1326  
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 087 *Beauveria bassiana* 1399  
 088 *Beauveria bassiana* 1389  
 092A *Beauveria bassiana* 1404  
 092B *Beauveria bassiana* 1405  
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 093B *Beauveria bassiana* 1407  
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 094B *Beauveria bassiana* 1409  
 095 *Beauveria bassiana* 1410

096A *Beauveria bassiana* 1411  
096B *Beauveria bassiana* 1412  
097 *Beauveria bassiana* 1413  
099 *Beauveria bassiana* 1414  
645 *Beauveria bassiana* 1191  
646 *Beauveria bassiana* 1192  
647 *Beauveria bassiana* 1193  
648 *Beauveria bassiana* 1194  
83-05 *Beauveria bassiana* 1151  
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**Tanyeli, Elif**

Dm-5 *Beauveria bassiana*(?) 9271  
Dm-6 *Beauveria* sp. 9272

**Tatman, Kathy**

MD99#6 *Beauveria bassiana* 2831

**Tavares, Joao B.**

BRA-000027 *Beauveria* sp. 3859  
BRA-000035 *Beauveria bassiana* 3858

**Teakle, Robert**

M-168 *Beauveria bassiana* 326

**Tigano-Milani, Myrian Silvana**

CG-76#1 *Beauveria* sp. 3859  
CG-86 *Beauveria bassiana* 3858

**Tunali, Berna**

27 *Beauveria bassiana* 6404  
28 *Beauveria bassiana* 6426

**UAF**

189 *Beauveria bassiana* 2953

## Alternate Collections

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### **UAMH**

1514 *Beauveria bassiana* 2454  
4132 *Beauveria bassiana* 2455

### **Ugine, Todd A.**

N18 *Beauveria bassiana* 8889  
TPB3 *Beauveria bassiana* 8889

### **Underwood, Nancy**

2457 *Beauveria bassiana* 3892  
3166 *Beauveria bassiana* 3891  
U1555 *Beauveria bassiana* 3906  
U2320 *Beauveria bassiana* 3907  
U2882 *Beauveria bassiana* 3905  
U3385 *Beauveria bassiana* 3890  
U3908 *Beauveria bassiana* 3908

### **Vandenberg, John D.**

APH3 *Beauveria bassiana* 4523  
APH6 *Beauveria bassiana* 4524  
DBM10b *Beauveria bassiana* 4539  
DBM1b *Beauveria bassiana* 4526  
DBM1b *Beauveria bassiana* 4525  
DBM2a *Beauveria bassiana* 4527  
DBM2b *Beauveria bassiana* 4528  
DBM3a *Beauveria bassiana* 4529  
DBM3b *Beauveria bassiana* 4530  
DBM4a *Beauveria bassiana* 4531  
DBM4b *Beauveria bassiana* 4532  
DBM5a *Beauveria bassiana* 4533  
DBM5b *Beauveria bassiana* 4534  
DBM6a *Beauveria bassiana* 4535  
DBM6b *Beauveria bassiana* 4536  
DBM8a *Beauveria bassiana* 4537  
DBM8b *Beauveria bassiana* 4538  
DnBb1a3p *Beauveria bassiana* 4113  
DnBb1b3p *Beauveria bassiana* 4114  
DnBb1c3p *Beauveria bassiana* 4115  
DnBb1d3p *Beauveria bassiana* 4116  
DnBb1e3p *Beauveria bassiana* 4117  
DnBb1f3p *Beauveria bassiana* 4118  
DnBb1g3p *Beauveria bassiana* 4119  
DnBb1h4p *Beauveria bassiana* 4120  
DnBb1j4p *Beauveria bassiana* 4121  
DnBb2b2p *Beauveria bassiana* 4110  
DnBb2d2p *Beauveria bassiana* 4109  
DnBb2e2p *Beauveria bassiana* 4111  
DnBb2f2p *Beauveria bassiana* 4112  
DnBb2g2p *Beauveria bassiana* 4108  
DnBb2h2p *Beauveria bassiana* 4107  
DnBb2i3p *Beauveria bassiana* 4106

### **Vänninen, Irene**

SF85-2 *Beauveria* sp. 5622  
SF86-9 *Beauveria bassiana* 5623

### **Vega, Fernando E.**

EBCL 98027 *Beauveria bassiana* 6201  
EBCL 98029 *Beauveria bassiana* 5886  
EBCL 98031 *Beauveria bassiana* 5887  
EBCL 98032 *Beauveria bassiana* 5888  
EBCL 98041 *Beauveria bassiana* 6205  
EBCL 98053 *Beauveria bassiana* 6208  
EBCL 98054 *Beauveria bassiana* 6209  
EBCL 99004 *Beauveria bassiana* 6181  
EBCL 99013 *Beauveria bassiana* 6182  
EBCL 99018 *Beauveria bassiana* 6184  
EBCL 99020 *Beauveria bassiana* 6185

EBCL 99021 *Beauveria bassiana* 6186  
EBCL 99022 *Beauveria bassiana* 6187  
EBCL 99025 *Beauveria bassiana* 6189  
EBCL 99028 *Beauveria bassiana* 6191  
EBCL 99032 *Beauveria bassiana* 6194  
EBCL 99033 *Beauveria bassiana* 6195  
EBCL 99034 *Beauveria bassiana* 6196  
EBCL 99038 *Beauveria bassiana* 6199  
EBCL 99046 *Beauveria bassiana* 6526  
EBCL 99048 *Beauveria bassiana* 6527  
EBCL 99055 *Beauveria bassiana* 6528  
EBCL 99057 *Beauveria bassiana* 6529  
EBCL 99059 *Beauveria bassiana* 6530  
EBCL 99070 *Beauveria bassiana* 6531  
EBCL 99071 *Beauveria bassiana* 6532  
EBCL 99076 *Beauveria* sp. 6533  
EBCL 99077 *Beauveria* sp. 6534  
EBCL 99080 *Beauveria* sp. 6535  
EBCL 99085 *Beauveria* sp. 6536  
EBCL 99088 *Beauveria* sp. 6537

### **Walsh, Scott**

3762T5 *Beauveria bassiana* 3825

### **Watson, D. Wesley**

B 90 *Beauveria bassiana* 5342  
D 90 *Beauveria bassiana* 5343  
H 90 *Beauveria bassiana* 5344  
L 89 *Beauveria bassiana* 5340  
L 90 *Beauveria bassiana* 5345  
P 89 *Beauveria bassiana* 5339  
P 89 *Beauveria bassiana* 3111  
Pow 90 *Beauveria bassiana* 5346  
W 89 *Beauveria bassiana* 5341  
W 90 *Beauveria bassiana* 5347

### **Whitney, H. Stuart**

CPB-1 *Beauveria bassiana* 2030  
CPB-2 *Beauveria bassiana* 2031  
CPB-3 *Beauveria bassiana* 2032  
LBB-multi *Beauveria bassiana* 2033  
LBB-multi 2 *Beauveria bassiana* 2034  
R629 *Beauveria bassiana* 1848  
R630 *Beauveria bassiana* 1849  
R633 *Beauveria bassiana* 1850  
R634 *Beauveria bassiana* 1852  
R636 *Beauveria bassiana* 1853  
R637 *Beauveria bassiana* 1854  
R640 *Beauveria pseudobassiana* 1855

### **Wojciechowska, M.**

1092 *Beauveria bassiana* 156  
1110 *Beauveria bassiana* 157  
17 *Beauveria bassiana* 151  
2-72 *Beauveria bassiana* 153  
24 *Beauveria bassiana* 150  
28 *Beauveria bassiana* 149  
310-76 *Beauveria bassiana* 152  
51-75 *Beauveria bassiana* 154  
70 *Beauveria bassiana* 159  
72 *Beauveria bassiana* 160  
75-67 *Beauveria bassiana* 155  
N-2 *Beauveria bassiana* 158

### **Wright, Stephen P.**

252 Bt-2; SPW-43 *Beauveria bassiana* 5276  
252-Bt-1 *Beauveria bassiana* 5283  
252-Bt-1; SPW-42 *Beauveria bassiana* 5275  
252-BT-2 *Beauveria bassiana* 5284  
252-Bt-3 *Beauveria bassiana* 5279  
252-Bt-3; SPW-44 *Beauveria bassiana* 5277  
252-BT-4 *Beauveria bassiana* 5280  
252-Bt-5 *Beauveria bassiana* 5281  
252-Bt-6 *Beauveria bassiana* 5282  
252-Bt-x3 *Beauveria bassiana* 5285  
DBM 28° #2 5P *Beauveria bassiana* 6150  
DBM 28° #3 5P *Beauveria bassiana* 6151  
DBM 31° #1 5P *Beauveria bassiana* 6152  
DBM 31° #2 5P *Beauveria bassiana* 6153  
Lacey 92221-Bt1 *Beauveria bassiana* 5274  
SARL 33 *Beauveria bassiana* 5273

### **Yip, H.**

HT109 *Beauveria bassiana* 4261  
HY11 *Beauveria bassiana* 4745  
HY118 *Beauveria bassiana* 4356  
HY129 *Beauveria bassiana* 4271  
HY13 *Beauveria bassiana* 4744  
HY137 *Beauveria bassiana* 4222  
HY142 *Beauveria bassiana* 4670  
HY162 *Beauveria bassiana* 4285  
HY227 *Beauveria malawiensis* 4755  
HY23 *Beauveria bassiana* 4571  
HY24 *Beauveria bassiana* 4353  
HY25 *Beauveria bassiana* 4320  
HY26 *Beauveria caledonica* 4302  
HY28 *Beauveria bassiana* 4741  
HY29 *Beauveria bassiana* 4644  
HY30 *Beauveria bassiana* 4301  
HY31 *Beauveria bassiana* 4305  
HY50 *Beauveria bassiana* 4240  
HY51 *Beauveria australis* 4598  
HY52 *Beauveria bassiana* 4564  
HY54 *Beauveria bassiana* 4583  
HY72 *Beauveria bassiana* 4326  
HY84 *Beauveria bassiana* 4300

### **Zhioua, Elyes**

T73 *Beauveria bassiana*(?) 6892  
T82 *Beauveria bassiana* 6894  
Tick #3 *Beauveria bassiana* 6897

### **Zou, Xiao**

2 *Beauveria bassiana* 9595  
3 *Beauveria* sp. 9596  
5 *Beauveria bassiana* 9598  
6 *Beauveria brongniartii* 9599  
7 *Beauveria bassiana* 9600



1	Beauveria bassiana	433	Beauveria bassiana	843	Beauveria bassiana
32	Beauveria sp.	474	Beauveria bassiana	886	Beauveria bassiana
149	Beauveria bassiana	477	Beauveria bassiana	928	Beauveria bassiana
150	Beauveria bassiana	501	Beauveria bassiana	930	Beauveria bassiana
151	Beauveria bassiana	502	Beauveria bassiana	931	Beauveria bassiana
152	Beauveria bassiana	503	Beauveria bassiana	933	Beauveria bassiana
153	Beauveria bassiana	504	Beauveria bassiana	934	Beauveria bassiana
154	Beauveria bassiana	505	Beauveria bassiana	937	Beauveria bassiana
155	Beauveria bassiana	506	Beauveria bassiana	938	Beauveria bassiana
156	Beauveria bassiana	507	Beauveria bassiana	941	Beauveria bassiana
157	Beauveria bassiana	509	Beauveria bassiana	942	Beauveria bassiana
158	Beauveria bassiana	510	Beauveria bassiana	943	Beauveria bassiana
159	Beauveria bassiana	533	Beauveria bassiana	944	Beauveria bassiana
160	Beauveria bassiana	534	Beauveria bassiana	945	Beauveria bassiana
201	Beauveria bassiana	535	Beauveria bassiana	946	Beauveria bassiana
220	Beauveria bassiana	536	Beauveria bassiana	947	Beauveria bassiana
252	Beauveria bassiana	547	Beauveria sp.	948	Beauveria bassiana
275	Beauveria bassiana	560	Beauveria bassiana	949	Beauveria bassiana
276	Beauveria bassiana	566	Beauveria bassiana	950	Beauveria bassiana
277	Beauveria bassiana	590	Beauveria sp.	951	Beauveria bassiana
278	Beauveria bassiana	617	Beauveria brongniartii	952	Beauveria bassiana
279	Beauveria bassiana	652	Beauveria bassiana	953	Beauveria bassiana
280	Beauveria bassiana	654	Beauveria bassiana	956	Beauveria bassiana
281	Beauveria bassiana	656	Beauveria amorphia	957	Beauveria bassiana
282	Beauveria bassiana	678	Beauveria brongniartii	958	Beauveria bassiana
283	Beauveria bassiana	679	Beauveria bassiana	979	Beauveria brongniartii
284	Beauveria bassiana	681	Beauveria bassiana	982	Beauveria bassiana
285	Beauveria bassiana	708	Beauveria bassiana	985	Beauveria brongniartii
286	Beauveria bassiana	709	Beauveria bassiana	1001	Beauveria bassiana
287	Beauveria bassiana	714	Beauveria bassiana	1007	Beauveria bassiana
288	Beauveria bassiana	717	Beauveria bassiana	1016	Beauveria bassiana
289	Beauveria bassiana	718	Beauveria bassiana	1038	Beauveria bassiana
290	Beauveria bassiana	719	Beauveria bassiana	1039	Beauveria bassiana
291	Beauveria bassiana	721	Beauveria bassiana	1040	Beauveria sp.
292	Beauveria bassiana	730	Beauveria bassiana	1041	Beauveria bassiana
293	Beauveria bassiana	731	Beauveria bassiana	1053	Beauveria bassiana
295	Beauveria bassiana	732	Beauveria bassiana	1054	Beauveria bassiana
296	Beauveria bassiana	733	Beauveria bassiana	1060	Beauveria bassiana
299	Beauveria bassiana	734	Beauveria bassiana	1061	Beauveria bassiana
300	Beauveria bassiana	735	Beauveria bassiana	1067	Beauveria brongniartii
301	Beauveria bassiana	736	Beauveria bassiana	1068	Beauveria brongniartii
302	Beauveria bassiana	737	Beauveria bassiana	1069	Beauveria brongniartii
303	Beauveria bassiana	738	Beauveria bassiana	1070	Beauveria brongniartii
304	Beauveria bassiana	739	Beauveria bassiana	1071	Beauveria brongniartii
305	Beauveria bassiana	751	Beauveria bassiana	1072	Beauveria brongniartii
306	Beauveria bassiana	752	Beauveria bassiana	1073	Beauveria bassiana
307	Beauveria bassiana	753	Beauveria bassiana	1074	Beauveria bassiana
308	Beauveria bassiana	754	Beauveria bassiana	1075	Beauveria bassiana
317	Beauveria bassiana	756	Beauveria bassiana	1076	Beauveria brongniartii
318	Beauveria bassiana	757	Beauveria bassiana	1077	Beauveria brongniartii
319	Beauveria bassiana	758	Beauveria bassiana	1079	Beauveria bassiana
320	Beauveria bassiana	783	Beauveria bassiana	1081	Beauveria bassiana
325	Beauveria bassiana	784	Beauveria bassiana	1098	Beauveria bassiana
326	Beauveria bassiana	785	Beauveria bassiana	1103	Beauveria bassiana
333	Beauveria bassiana	786	Beauveria bassiana	1104	Beauveria bassiana
334	Beauveria bassiana	787	Beauveria bassiana	1105	Beauveria bassiana
335	Beauveria bassiana	788	Beauveria bassiana	1106	Beauveria bassiana
336	Beauveria bassiana	792	Beauveria bassiana	1107	Beauveria bassiana
337	Beauveria bassiana	793	Beauveria bassiana	1110	Beauveria bassiana
338	Beauveria bassiana	796	Beauveria bassiana	1113	Beauveria bassiana
340	Beauveria bassiana	804	Beauveria bassiana	1114	Beauveria bassiana
344	Beauveria bassiana	805	Beauveria bassiana	1115	Beauveria bassiana
350	Beauveria bassiana	806	Beauveria bassiana	1117	Beauveria bassiana
353	Beauveria bassiana	809	Beauveria bassiana	1118	Beauveria bassiana
356	Beauveria bassiana	812	Beauveria bassiana	1119	Beauveria bassiana
357	Beauveria bassiana	813	Beauveria bassiana	1121	Beauveria bassiana
384	Beauveria bassiana	814	Beauveria bassiana	1122	Beauveria bassiana
412	Beauveria bassiana	815	Beauveria bassiana	1149	Beauveria bassiana
413	Beauveria bassiana	816	Beauveria bassiana	1150	Beauveria bassiana
416	Beauveria bassiana	842	Beauveria bassiana	1151	Beauveria bassiana



1677	Beauveria bassiana	1820	Beauveria bassiana	2164	Beauveria sp.
1678	Beauveria bassiana	1821	Beauveria bassiana	2191	Beauveria bassiana
1679	Beauveria bassiana	1822	Beauveria bassiana	2236	Beauveria bassiana
1680	Beauveria amorphia	1829	Beauveria brongniartii	2248	Beauveria bassiana
1681	Beauveria sp.	1830	Beauveria brongniartii	2249	Beauveria bassiana
1682	Beauveria sp.	1831	Beauveria bassiana	2250	Beauveria bassiana
1683	Beauveria bassiana	1832	Beauveria bassiana	2251	Beauveria caledonica
1685	Beauveria sungii	1833	Beauveria bassiana	2253	Beauveria bassiana
1689	Beauveria bassiana	1834	Beauveria bassiana	2254	Beauveria bassiana
1690	Beauveria bassiana	1835	Beauveria sp.	2267	Beauveria bassiana
1691	Beauveria bassiana	1836	Beauveria bassiana	2270	Beauveria bassiana
1692	Beauveria bassiana	1838	Beauveria bassiana	2271	Beauveria brongniartii
1704	Beauveria bassiana	1839	Beauveria bassiana	2318	Beauveria bassiana
1705	Beauveria bassiana	1842	Beauveria bassiana	2319	Beauveria bassiana
1706	Beauveria bassiana	1843	Beauveria bassiana	2320	Beauveria bassiana
1707	Beauveria bassiana	1844	Beauveria bassiana	2321	Beauveria bassiana
1708	Beauveria bassiana	1845	Beauveria bassiana	2322	Beauveria bassiana
1709	Beauveria bassiana	1846	Beauveria bassiana	2330	Beauveria bassiana
1710	Beauveria bassiana	1848	Beauveria bassiana	2336	Beauveria bassiana
1711	Beauveria bassiana	1849	Beauveria bassiana	2360	Beauveria bassiana
1712	Beauveria bassiana	1850	Beauveria bassiana	2401	Beauveria bassiana
1713	Beauveria bassiana	1852	Beauveria bassiana	2402	Beauveria bassiana
1721	Beauveria bassiana	1853	Beauveria bassiana	2403	Beauveria bassiana
1722	Beauveria bassiana	1854	Beauveria bassiana	2404	Beauveria bassiana
1723	Beauveria bassiana	1855	Beauveria pseudobassiana	2412	Beauveria sp.
1747	Beauveria bassiana	1864	Beauveria bassiana	2417	Beauveria bassiana
1748	Beauveria bassiana	1865	Beauveria bassiana	2427	Beauveria bassiana
1749	Beauveria bassiana	1866	Beauveria bassiana	2430	Beauveria bassiana
1750	Beauveria bassiana	1871	Beauveria brongniartii	2454	Beauveria bassiana
1775	Beauveria bassiana	1872	Beauveria brongniartii	2455	Beauveria bassiana
1776	Beauveria bassiana	1873	Beauveria brongniartii	2457	Beauveria bassiana
1777	Beauveria bassiana	1874	Beauveria brongniartii	2458	Beauveria bassiana
1778	Beauveria bassiana	1875	Beauveria brongniartii	2461	Beauveria bassiana
1779	Beauveria bassiana	1886	Beauveria sp.	2462	Beauveria bassiana
1780	Beauveria bassiana	1889	Beauveria bassiana	2463	Beauveria bassiana
1781	Beauveria bassiana	1908	Sporothrix sp.	2484	Beauveria bassiana
1782	Beauveria bassiana	1953	Beauveria bassiana	2485	Beauveria bassiana
1783	Beauveria bassiana	1954	Beauveria bassiana	2486	Beauveria bassiana
1788	Beauveria bassiana	1955	Beauveria bassiana	2487	Beauveria bassiana
1789	Beauveria bassiana	1956	Beauveria bassiana	2509	Beauveria bassiana
1790	Beauveria bassiana	1959	Beauveria bassiana	2511	Beauveria bassiana
1791	Beauveria bassiana	1960	Beauveria bassiana	2512	Beauveria bassiana
1792	Beauveria bassiana	1961	Beauveria bassiana	2515	Beauveria bassiana
1793	Beauveria bassiana	1962	Beauveria bassiana	2516	Beauveria bassiana
1794	Beauveria bassiana	1966	Beauveria bassiana	2519	Beauveria bassiana
1795	Beauveria bassiana	1969	Beauveria amorphia	2520	Beauveria bassiana
1796	Beauveria bassiana	1971	Beauveria bassiana	2544	Beauveria bassiana
1797	Beauveria bassiana	1973	Beauveria bassiana	2555	Beauveria bassiana
1798	Beauveria bassiana	1974	Beauveria bassiana	2557	Beauveria bassiana
1799	Beauveria bassiana	1975	Beauveria bassiana	2559	Beauveria bassiana
1800	Beauveria bassiana	1976	Beauveria bassiana	2567	Beauveria caledonica
1801	Beauveria bassiana	1977	Beauveria bassiana	2570	Beauveria bassiana
1802	Beauveria bassiana	1978	Beauveria bassiana	2571	Beauveria bassiana
1803	Beauveria bassiana	1979	Beauveria bassiana	2572	Beauveria bassiana
1804	Beauveria bassiana	1980	Beauveria bassiana	2573	Beauveria bassiana
1805	Beauveria bassiana	1982	Beauveria bassiana	2579	Beauveria bassiana
1806	Beauveria bassiana	1984	Beauveria bassiana	2580	Beauveria bassiana
1807	Beauveria bassiana	1988	Beauveria bassiana	2597	Beauveria bassiana
1808	Beauveria bassiana	2010	Beauveria bassiana	2619	Beauveria bassiana
1809	Beauveria bassiana	2011	Beauveria bassiana	2621	Beauveria bassiana
1810	Beauveria bassiana	2030	Beauveria bassiana	2624	Beauveria bassiana
1811	Beauveria bassiana	2031	Beauveria bassiana	2625	Beauveria bassiana
1812	Beauveria bassiana	2032	Beauveria bassiana	2626	Beauveria bassiana
1813	Beauveria bassiana	2033	Beauveria bassiana	2629	Beauveria bassiana
1814	Beauveria bassiana	2034	Beauveria bassiana	2630	Beauveria bassiana
1815	Beauveria bassiana	2040	Beauveria bassiana	2631	Beauveria bassiana
1816	Beauveria bassiana	2041	Beauveria bassiana	2632	Beauveria bassiana
1817	Beauveria bassiana	2054	Beauveria bassiana	2633	Beauveria bassiana
1818	Beauveria bassiana	2075	Beauveria bassiana	2636	Beauveria bassiana
1819	Beauveria bassiana	2079	Beauveria bassiana	2637	Beauveria bassiana

2638	Beauveria bassiana	3055	Beauveria bassiana	3513	Beauveria bassiana
2639	Beauveria bassiana	3063	Beauveria bassiana	3514	Beauveria bassiana
2641	Beauveria amorphia	3065	Beauveria bassiana	3515	Beauveria bassiana
2642	Beauveria bassiana	3066	Beauveria bassiana	3516	Beauveria bassiana
2660	Beauveria brongniartii	3070	Beauveria bassiana	3527	Beauveria bassiana
2676	Beauveria bassiana	3086	Beauveria bassiana	3528	Beauveria bassiana
2685	Beauveria bassiana	3097	Beauveria bassiana	3529	Beauveria pseudobassiana
2686	Beauveria bassiana	3098	Beauveria bassiana	3530	Beauveria bassiana
2687	Beauveria bassiana	3111	Beauveria bassiana	3534	Beauveria bassiana
2688	Beauveria bassiana	3112	Beauveria bassiana	3543	Beauveria bassiana
2689	Beauveria bassiana	3113	Beauveria bassiana	3607	Beauveria bassiana
2690	Beauveria bassiana	3120	Beauveria bassiana	3620	Beauveria bassiana
2691	Beauveria bassiana	3121	Beauveria bassiana	3622	Beauveria bassiana
2692	Beauveria bassiana	3153	Beauveria bassiana	3667	Beauveria bassiana
2693	Beauveria bassiana	3154	Beauveria bassiana	3681	Beauveria bassiana
2694	Beauveria varroae	3155	Beauveria bassiana	3716	Beauveria bassiana
2695	Beauveria bassiana	3156	Beauveria bassiana	3717	Beauveria bassiana
2722	Beauveria bassiana	3157	Beauveria bassiana	3734	Beauveria bassiana
2723	Beauveria bassiana	3158	Beauveria bassiana	3769	Beauveria bassiana
2725	Beauveria bassiana	3166	Beauveria bassiana	3818	Beauveria bassiana
2727	Beauveria bassiana	3167	Beauveria bassiana	3819	Beauveria bassiana
2728	Beauveria bassiana	3168	Beauveria bassiana	3825	Beauveria bassiana
2729	Beauveria bassiana	3169	Beauveria bassiana	3858	Beauveria bassiana
2737	Beauveria bassiana	3181	Beauveria bassiana	3859	Beauveria sp.
2739	Beauveria bassiana	3197	Beauveria bassiana	3866	Beauveria bassiana
2748	Beauveria bassiana	3198	Beauveria bassiana	3867	Beauveria bassiana
2831	Beauveria bassiana	3199	Beauveria bassiana	3890	Beauveria bassiana
2857	Beauveria bassiana	3215	Beauveria bassiana	3891	Beauveria bassiana
2860	Beauveria bassiana	3216	Beauveria pseudobassiana	3892	Beauveria bassiana
2861	Beauveria bassiana	3219	Beauveria bassiana	3897	Beauveria bassiana
2864	Beauveria bassiana	3220	Beauveria pseudobassiana	3905	Beauveria bassiana
2869	Beauveria bassiana	3285	Beauveria bassiana	3906	Beauveria bassiana
2879	Beauveria bassiana	3286	Beauveria bassiana	3907	Beauveria bassiana
2880	Beauveria bassiana	3287	Beauveria bassiana	3908	Beauveria bassiana
2881	Beauveria bassiana	3288	Beauveria bassiana	3927	Beauveria bassiana
2882	Beauveria bassiana	3289	Beauveria sp.	3929	Beauveria sp.
2883	Beauveria bassiana	3309	Beauveria bassiana	3934	Beauveria bassiana
2909	Sporothrix insectorum	3310	Beauveria bassiana	3936	Beauveria sp.
2918	Sporothrix insectorum	3311	Beauveria bassiana	3937	Beauveria bassiana
2922	Beauveria vermiciona	3312	Beauveria bassiana	3965	Beauveria bassiana
2938	Beauveria bassiana	3385	Beauveria bassiana	3966	Beauveria bassiana
2942	Beauveria bassiana	3386	Beauveria bassiana	3967	Beauveria bassiana
2943	Beauveria bassiana	3403	Beauveria bassiana	3968	Beauveria bassiana
2944	Beauveria bassiana	3404	Beauveria bassiana	3969	Beauveria bassiana
2945	Beauveria bassiana	3405	Beauveria pseudobassiana	3970	Beauveria bassiana
2946	Beauveria bassiana	3437	Beauveria bassiana	3972	Beauveria bassiana
2953	Beauveria bassiana	3438	Beauveria bassiana	3973	Beauveria bassiana
2957	Beauveria bassiana	3439	Beauveria bassiana	3974	Beauveria bassiana
2961	Beauveria bassiana	3440	Beauveria bassiana	3975	Beauveria bassiana
2962	Beauveria bassiana	3441	Beauveria bassiana	3977	Beauveria bassiana
2972	Beauveria bassiana	3442	Beauveria bassiana	3978	Beauveria bassiana
2976	Beauveria bassiana	3443	Beauveria bassiana	3979	Beauveria bassiana
2983	Beauveria bassiana	3444	Beauveria bassiana	3995	Beauveria bassiana
2984	Beauveria bassiana	3445	Beauveria bassiana	3996	Beauveria bassiana
2985	Beauveria bassiana	3446	Beauveria bassiana	3999	Beauveria bassiana
2986	Beauveria bassiana	3447	Beauveria bassiana	4001	Beauveria bassiana
2987	Beauveria bassiana	3448	Beauveria bassiana	4012	Beauveria bassiana
2988	Beauveria bassiana	3449	Beauveria bassiana	4013	Beauveria bassiana
2989	Beauveria bassiana	3450	Beauveria bassiana	4014	Beauveria bassiana
2990	Beauveria bassiana	3451	Beauveria bassiana	4015	Beauveria bassiana
2991	Beauveria bassiana	3452	Beauveria bassiana	4016	Beauveria bassiana
2997	Beauveria pseudobassiana	3453	Beauveria bassiana	4017	Beauveria bassiana
2998	Beauveria sp.	3454	Beauveria bassiana	4018	Beauveria bassiana
3018	Beauveria bassiana	3455	Beauveria bassiana	4019	Beauveria bassiana
3019	Beauveria bassiana	3456	Beauveria bassiana	4021	Beauveria bassiana
3020	Beauveria bassiana	3457	Beauveria bassiana	4023	Beauveria bassiana
3037	Beauveria bassiana	3460	Beauveria bassiana	4024	Beauveria brongniartii
3040	Beauveria bassiana	3462	Beauveria bassiana	4026	Beauveria bassiana
3041	Beauveria bassiana	3477	Beauveria bassiana	4027	Beauveria sp.
3054	Beauveria brongniartii	3510	Beauveria sp.	4028	Beauveria bassiana

4030	Beauveria bassiana	4377	Beauveria bassiana	4672	Beauveria bassiana
4031	Beauveria bassiana	4378	Beauveria bassiana	4685	Beauveria bassiana
4032	Beauveria bassiana	4379	Beauveria bassiana	4688	Beauveria bassiana
4034	Beauveria bassiana	4380	Beauveria brongniartii	4691	Beauveria bassiana
4035	Beauveria bassiana	4381	Beauveria brongniartii	4692	Beauveria bassiana
4038	Beauveria bassiana	4382	Beauveria bassiana	4693	Beauveria bassiana
4041	Beauveria bassiana	4384	Beauveria asiatica	4694	Beauveria bassiana
4046	Beauveria bassiana	4385	Beauveria brongniartii	4695	Beauveria bassiana
4049	Beauveria bassiana	4386	Beauveria brongniartii	4696	Beauveria bassiana
4051	Beauveria bassiana	4388	Beauveria brongniartii	4697	Beauveria bassiana
4052	Beauveria bassiana	4389	Beauveria brongniartii	4721	Beauveria bassiana
4053	Beauveria bassiana	4390	Beauveria sp.	4741	Beauveria bassiana
4054	Beauveria bassiana	4391	Beauveria sp.	4744	Beauveria bassiana
4055	Beauveria bassiana	4392	Beauveria sp.	4745	Beauveria bassiana
4056	Beauveria bassiana	4393	Beauveria sp.	4755	Beauveria malawiensis
4057	Beauveria bassiana	4394	Beauveria sp.	4767	Microhilum oncoperae
4091	Beauveria bassiana	4395	Beauveria sp.	4768	Microhilum oncoperae
4092	Beauveria bassiana	4396	Beauveria sp.	4769	Microhilum oncoperae
4093	Beauveria bassiana	4397	Beauveria sp.	4770	Microhilum oncoperae
4099	Beauveria bassiana	4458	Beauveria brongniartii	4771	Microhilum oncoperae
4100	Beauveria bassiana	4462	Beauveria bassiana	4798	Beauveria bassiana
4101	Beauveria bassiana	4463	Beauveria bassiana	4799	Beauveria bassiana
4106	Beauveria bassiana	4464	Beauveria bassiana	4850	Beauveria asiatica
4107	Beauveria bassiana	4465	Beauveria brongniartii	4853	Beauveria sp.
4108	Beauveria bassiana	4466	Beauveria brongniartii	4866	Beauveria bassiana
4109	Beauveria bassiana	4467	Beauveria brongniartii	4909	Beauveria sp.
4110	Beauveria bassiana	4468	Beauveria brongniartii	4910	Beauveria sp.
4111	Beauveria bassiana	4469	Beauveria brongniartii	4911	Beauveria sp.
4112	Beauveria bassiana	4470	Beauveria brongniartii	4912	Beauveria sp.
4113	Beauveria bassiana	4471	Beauveria brongniartii	4913	Beauveria sp.
4114	Beauveria bassiana	4472	Beauveria brongniartii	4914	Beauveria sp.
4115	Beauveria bassiana	4473	Beauveria brongniartii	4915	Beauveria sp.
4116	Beauveria bassiana	4474	Beauveria asiatica	4916	Beauveria sp.
4117	Beauveria bassiana	4475	Beauveria brongniartii	4917	Beauveria sp.
4118	Beauveria bassiana	4476	Beauveria brongniartii	4918	Beauveria sp.
4119	Beauveria bassiana	4477	Beauveria brongniartii	4920	Beauveria sp.
4120	Beauveria bassiana	4478	Beauveria brongniartii	4933	Beauveria pseudobassiana
4121	Beauveria bassiana	4523	Beauveria bassiana	4973	Beauveria bassiana
4130	Beauveria bassiana	4524	Beauveria bassiana	4974	Beauveria bassiana
4135	Beauveria bassiana	4525	Beauveria bassiana	4975	Beauveria bassiana
4136	Beauveria bassiana	4526	Beauveria bassiana	4976	Beauveria bassiana
4149	Beauveria amorpha	4527	Beauveria bassiana	4977	Beauveria bassiana
4150	Beauveria bassiana	4528	Beauveria bassiana	4978	Beauveria bassiana
4197	Beauveria sp.	4529	Beauveria bassiana	4979	Beauveria bassiana
4200	Beauveria bassiana	4530	Beauveria bassiana	4981	Beauveria bassiana
4222	Beauveria bassiana	4531	Beauveria bassiana	4982	Beauveria bassiana
4240	Beauveria bassiana	4532	Beauveria bassiana	4983	Beauveria bassiana
4254	Beauveria sp.	4533	Beauveria bassiana	4984	Beauveria bassiana
4258	Beauveria bassiana	4534	Beauveria bassiana	4990	Beauveria amorpha
4261	Beauveria bassiana	4535	Beauveria bassiana	4992	Beauveria brongniartii
4271	Beauveria bassiana	4536	Beauveria bassiana	4993	Beauveria brongniartii
4273	Beauveria bassiana	4537	Beauveria bassiana	4994	Beauveria brongniartii
4274	Beauveria bassiana	4538	Beauveria bassiana	4995	Beauveria brongniartii
4276	Beauveria bassiana	4539	Beauveria bassiana	5064	Beauveria bassiana
4285	Beauveria bassiana	4540	Beauveria bassiana	5066	Beauveria bassiana
4289	Beauveria bassiana	4543	Beauveria bassiana	5067	Beauveria bassiana
4297	Beauveria bassiana	4564	Beauveria bassiana	5069	Beauveria bassiana
4300	Beauveria bassiana	4571	Beauveria bassiana	5070	Beauveria bassiana
4301	Beauveria bassiana	4580	Beauveria australis	5071	Beauveria bassiana
4302	Beauveria caledonica	4583	Beauveria bassiana	5072	Beauveria bassiana
4305	Beauveria bassiana	4589	Beauveria bassiana	5078	Beauveria sp.
4320	Beauveria bassiana	4598	Beauveria australis	5148	Beauveria bassiana
4326	Beauveria bassiana	4607	Beauveria bassiana	5150	Beauveria bassiana
4353	Beauveria bassiana	4611	Beauveria bassiana	5169	Beauveria bassiana
4356	Beauveria bassiana	4612	Beauveria bassiana	5170	Beauveria bassiana
4358	Microhilum oncoperae	4616	Beauveria bassiana	5171	Beauveria bassiana
4362	Beauveria brongniartii	4622	Beauveria australis	5172	Beauveria bassiana
4363	Beauveria brongniartii	4644	Beauveria bassiana	5173	Beauveria bassiana
4364	Beauveria sp.	4658	Beauveria bassiana	5174	Beauveria sp.
4365	Beauveria sp.	4670	Beauveria bassiana	5182	Beauveria bassiana(?)



## ARSEF Number

5965	Beauveria bassiana	6088	Beauveria bassiana	6459	Beauveria bassiana
5966	Beauveria bassiana	6089	Beauveria bassiana	6471	Beauveria bassiana
5967	Beauveria bassiana	6090	Beauveria bassiana	6478	Beauveria bassiana
5968	Beauveria bassiana	6091	Beauveria bassiana	6483	Beauveria bassiana
5969	Beauveria bassiana	6092	Beauveria bassiana	6499	Beauveria bassiana
5970	Beauveria bassiana	6093	Beauveria bassiana	6513	Beauveria bassiana
5971	Beauveria bassiana	6095	Beauveria bassiana	6514	Beauveria bassiana
5972	Beauveria bassiana	6096	Beauveria bassiana	6526	Beauveria bassiana
5973	Beauveria bassiana	6099	Beauveria bassiana	6527	Beauveria bassiana
5974	Beauveria bassiana	6100	Beauveria bassiana	6528	Beauveria bassiana
5975	Beauveria bassiana(?)	6101	Beauveria bassiana	6529	Beauveria bassiana
5976	Beauveria bassiana(?)	6109	Beauveria bassiana	6530	Beauveria bassiana
5977	Beauveria bassiana	6111	Beauveria bassiana	6531	Beauveria bassiana
5978	Beauveria bassiana	6112	Beauveria bassiana	6532	Beauveria bassiana
5979	Beauveria bassiana	6113	Beauveria bassiana	6533	Beauveria sp.
5980	Beauveria bassiana	6115	Beauveria bassiana	6534	Beauveria sp.
5981	Beauveria bassiana	6147	Beauveria bassiana	6535	Beauveria sp.
5982	Beauveria bassiana	6148	Beauveria bassiana	6536	Beauveria sp.
5983	Beauveria bassiana	6149	Beauveria bassiana	6537	Beauveria sp.
5984	Beauveria bassiana	6150	Beauveria bassiana	6552	Beauveria bassiana
5985	Beauveria bassiana	6151	Beauveria bassiana	6553	Beauveria bassiana
5986	Beauveria bassiana	6152	Beauveria bassiana	6555	Beauveria bassiana
5987	Beauveria bassiana	6153	Beauveria bassiana	6556	Beauveria bassiana
5988	Beauveria bassiana	6177	Beauveria bassiana	6557	Beauveria bassiana
5989	Beauveria bassiana	6178	Beauveria bassiana	6559	Beauveria bassiana
5990	Beauveria bassiana(?)	6181	Beauveria bassiana	6560	Beauveria bassiana
5991	Beauveria bassiana	6182	Beauveria bassiana	6563	Beauveria bassiana
5997	Beauveria bassiana	6184	Beauveria bassiana	6564	Beauveria bassiana
6008	Beauveria bassiana	6185	Beauveria bassiana	6565	Beauveria bassiana
6009	Beauveria bassiana	6186	Beauveria bassiana	6566	Beauveria bassiana
6011	Beauveria bassiana	6187	Beauveria bassiana	6567	Beauveria bassiana
6013	Beauveria bassiana	6189	Beauveria bassiana	6568	Beauveria bassiana
6014	Beauveria bassiana	6191	Beauveria bassiana	6577	Beauveria amorpha
6015	Beauveria bassiana	6194	Beauveria bassiana	6578	Beauveria bassiana
6016	Beauveria bassiana	6195	Beauveria bassiana	6608	Beauveria bassiana(?)
6019	Beauveria bassiana	6196	Beauveria bassiana	6612	Beauveria bassiana
6022	Beauveria bassiana	6199	Beauveria bassiana	6613	Beauveria bassiana
6023	Beauveria brongniartii	6201	Beauveria bassiana	6614	Beauveria bassiana
6027	Beauveria bassiana	6205	Beauveria bassiana	6616	Beauveria bassiana
6039	Beauveria bassiana	6208	Beauveria bassiana	6617	Beauveria bassiana
6040	Beauveria bassiana	6209	Beauveria bassiana	6618	Beauveria bassiana
6041	Beauveria bassiana	6213	Beauveria brongniartii	6620	Beauveria bassiana
6042	Beauveria bassiana	6214	Beauveria brongniartii	6643	Beauveria bassiana
6043	Beauveria bassiana	6215	Beauveria brongniartii	6644	Beauveria bassiana
6055	Beauveria bassiana	6216	Beauveria bassiana	6646	Beauveria bassiana
6056	Beauveria bassiana	6217	Beauveria bassiana	6647	Beauveria bassiana
6057	Beauveria bassiana	6227	Beauveria amorpha	6648	Beauveria bassiana
6058	Beauveria bassiana	6228	Beauveria bassiana	6650	Beauveria bassiana
6059	Beauveria bassiana	6229	Beauveria pseudobassiana	6658	Beauveria bassiana
6060	Beauveria bassiana	6230	Beauveria bassiana	6660	Beauveria bassiana
6061	Beauveria bassiana	6231	Beauveria bassiana	6661	Beauveria bassiana
6062	Beauveria bassiana	6232	Beauveria bassiana	6669	Beauveria bassiana
6063	Beauveria bassiana	6233	Beauveria bassiana	6676	Beauveria bassiana
6064	Beauveria bassiana	6234	Beauveria bassiana	6681	Beauveria bassiana
6065	Beauveria bassiana	6235	Beauveria brongniartii	6686	Beauveria bassiana
6066	Beauveria bassiana	6286	Sporothrix insectorum	6687	Beauveria bassiana
6067	Beauveria bassiana	6341	Sporothrix sp.	6688	Beauveria bassiana
6069	Beauveria bassiana	6376	Beauveria amorpha	6689	Beauveria bassiana
6070	Beauveria bassiana	6387	Beauveria bassiana	6690	Beauveria bassiana
6072	Beauveria bassiana	6390	Beauveria bassiana	6691	Beauveria sp.
6073	Beauveria bassiana	6391	Beauveria bassiana	6692	Beauveria bassiana
6074	Beauveria bassiana	6393	Beauveria bassiana	6693	Beauveria bassiana
6075	Beauveria bassiana	6404	Beauveria bassiana	6695	Beauveria bassiana
6076	Beauveria bassiana	6412	Beauveria brongniartii	6696	Beauveria bassiana
6077	Beauveria bassiana	6426	Beauveria bassiana	6697	Beauveria bassiana
6078	Beauveria bassiana	6437	Beauveria brongniartii	6721	Beauveria bassiana
6079	Beauveria bassiana	6438	Beauveria brongniartii	6722	Beauveria bassiana
6083	Beauveria bassiana	6439	Beauveria brongniartii	6723	Beauveria bassiana
6086	Beauveria bassiana	6440	Beauveria brongniartii	6793	Beauveria bassiana
6087	Beauveria bassiana	6444	Beauveria bassiana	6794	Beauveria bassiana

6795	Beauveria bassiana	6973	Beauveria bassiana	7250	Beauveria bassiana
6796	Beauveria bassiana	6974	Beauveria bassiana	7251	Beauveria bassiana
6801	Beauveria bassiana	6975	Beauveria bassiana	7252	Beauveria bassiana
6802	Beauveria bassiana	6976	Beauveria bassiana	7253	Beauveria bassiana
6803	Beauveria bassiana	6977	Beauveria bassiana	7254	Beauveria bassiana
6804	Beauveria bassiana	6978	Beauveria bassiana	7255	Beauveria bassiana
6805	Beauveria bassiana	6979	Beauveria bassiana	7256	Beauveria bassiana
6806	Beauveria bassiana	6980	Beauveria bassiana	7257	Beauveria bassiana
6807	Beauveria bassiana	6981	Beauveria bassiana	7258	Beauveria bassiana
6808	Beauveria bassiana	6982	Beauveria bassiana	7259	Beauveria bassiana
6809	Beauveria bassiana	6984	Beauveria bassiana	7260	Beauveria bassiana
6822	Beauveria bassiana	6986	Beauveria bassiana	7261	Beauveria bassiana
6823	Beauveria bassiana	6987	Beauveria bassiana	7264	Beauveria bassiana
6824	Beauveria bassiana	6988	Beauveria bassiana	7265	Beauveria bassiana
6825	Beauveria bassiana	7030	Beauveria bassiana	7266	Beauveria bassiana
6826	Beauveria bassiana	7032	Beauveria kipukae	7267	Beauveria bassiana
6827	Beauveria amorphula(?)	7038	Sporothrix sp.	7268	Beauveria brongniartii
6884	Beauveria bassiana	7042	Sporothrix sp.	7269	Beauveria bassiana
6885	Beauveria bassiana	7043	Beauveria sungii	7270	Beauveria bassiana
6890	Beauveria bassiana(?)	7044	Beauveria sungii	7271	Beauveria bassiana
6891	Beauveria bassiana(?)	7049	Beauveria bassiana	7272	Beauveria bassiana
6892	Beauveria bassiana(?)	7058	Beauveria brongniartii	7273	Beauveria bassiana
6894	Beauveria bassiana	7060	Beauveria bassiana	7274	Beauveria bassiana
6897	Beauveria bassiana	7061	Beauveria bassiana	7275	Beauveria bassiana
6900	Beauveria bassiana	7062	Beauveria bassiana	7279	Beauveria sungii
6903	Beauveria bassiana	7079	Beauveria sp.	7280	Beauveria sungii
6904	Beauveria bassiana	7093	Beauveria bassiana	7281	Beauveria sungii
6905	Beauveria bassiana	7117	Beauveria caledonica	7356	Beauveria bassiana
6906	Beauveria bassiana	7147	Beauveria bassiana	7357	Beauveria bassiana
6907	Beauveria bassiana	7152	Beauveria bassiana	7358	Beauveria bassiana
6908	Beauveria bassiana	7153	Beauveria bassiana	7359	Beauveria bassiana
6920	Beauveria bassiana	7154	Beauveria bassiana	7362	Beauveria bassiana
6921	Beauveria bassiana	7155	Beauveria bassiana	7363	Beauveria bassiana
6922	Beauveria bassiana	7156	Beauveria bassiana	7364	Beauveria bassiana
6923	Beauveria bassiana	7157	Beauveria bassiana	7365	Beauveria bassiana
6924	Beauveria bassiana	7158	Beauveria bassiana	7376	Beauveria brongniartii
6929	Beauveria bassiana	7159	Beauveria bassiana	7377	Beauveria bassiana
6931	Beauveria bassiana	7160	Beauveria bassiana	7378	Beauveria bassiana
6932	Beauveria bassiana	7161	Beauveria bassiana	7379	Beauveria bassiana
6933	Beauveria bassiana	7162	Beauveria bassiana	7380	Beauveria bassiana
6934	Beauveria bassiana	7163	Beauveria bassiana	7404	Beauveria bassiana
6935	Beauveria bassiana	7164	Beauveria bassiana	7463	Beauveria sp.
6936	Beauveria bassiana	7165	Beauveria bassiana	7464	Beauveria bassiana
6937	Beauveria bassiana	7166	Beauveria bassiana	7465	Beauveria bassiana
6938	Beauveria bassiana	7167	Beauveria bassiana	7466	Beauveria bassiana
6939	Beauveria bassiana	7168	Beauveria bassiana	7467	Beauveria bassiana
6940	Beauveria bassiana	7169	Beauveria bassiana	7468	Beauveria bassiana
6941	Beauveria bassiana	7170	Beauveria bassiana	7469	Beauveria bassiana
6942	Beauveria bassiana	7171	Beauveria bassiana	7470	Beauveria bassiana
6943	Beauveria bassiana	7172	Beauveria bassiana	7471	Beauveria bassiana
6944	Beauveria bassiana	7173	Beauveria bassiana	7519	Beauveria bassiana
6945	Beauveria bassiana	7174	Beauveria bassiana	7520	Beauveria bassiana
6946	Beauveria bassiana	7175	Beauveria bassiana	7521	Beauveria bassiana
6947	Beauveria bassiana	7176	Beauveria bassiana	7525	Beauveria bassiana
6948	Beauveria bassiana	7177	Beauveria bassiana	7526	Beauveria bassiana
6949	Beauveria bassiana	7178	Beauveria bassiana	7528	Beauveria brongniartii
6950	Beauveria bassiana	7179	Beauveria bassiana	7533	Beauveria bassiana
6951	Beauveria bassiana	7201	Beauveria bassiana	7534	Beauveria bassiana
6952	Beauveria bassiana	7202	Beauveria bassiana	7540	Beauveria bassiana
6953	Beauveria bassiana	7235	Beauveria bassiana	7541	Beauveria bassiana
6954	Beauveria bassiana	7236	Beauveria bassiana	7542	Beauveria amorphula
6955	Beauveria bassiana	7237	Beauveria bassiana	7552	Beauveria bassiana
6956	Beauveria bassiana	7238	Beauveria bassiana	7553	Beauveria bassiana
6957	Beauveria bassiana	7239	Beauveria bassiana	7554	Beauveria bassiana
6967	Beauveria bassiana	7240	Beauveria bassiana	7555	Beauveria brongniartii
6968	Beauveria bassiana	7241	Beauveria bassiana	7556	Beauveria brongniartii
6969	Beauveria bassiana	7242	Beauveria pseudobassiana	7557	Beauveria brongniartii
6970	Beauveria bassiana	7244	Beauveria bassiana	7558	Beauveria brongniartii
6971	Beauveria bassiana	7246	Beauveria bassiana	7559	Beauveria brongniartii
6972	Beauveria bassiana	7247	Beauveria bassiana	7560	Beauveria brongniartii

7561	Beauveria brongniartii	7960	Beauveria sp.	8146	Beauveria sp.
7562	Beauveria sp.	7963	Beauveria bassiana	8147	Beauveria sp.
7563	Beauveria sp.	7964	Beauveria bassiana	8148	Beauveria sp.
7564	Beauveria sp.	7965	Beauveria bassiana	8149	Beauveria sp.
7565	Beauveria sp.	7966	Beauveria bassiana	8150	Beauveria sp.
7566	Beauveria sp.	7968	Beauveria bassiana	8151	Beauveria sp.
7567	Beauveria sp.	7969	Beauveria bassiana	8152	Beauveria sp.
7579	Beauveria sp.	7971	Beauveria bassiana	8153	Beauveria sp.
7580	Beauveria sp.	7972	Beauveria bassiana	8154	Beauveria sp.
7581	Beauveria bassiana	7977	Beauveria bassiana	8156	Beauveria sp.
7582	Beauveria sp.	7978	Beauveria bassiana	8158	Beauveria sp.
7583	Beauveria bassiana	7982	Beauveria sp.	8159	Beauveria sp.
7584	Beauveria sp.	7983	Beauveria bassiana	8160	Beauveria sp.
7585	Beauveria bassiana	7984	Beauveria bassiana	8161	Beauveria sp.
7586	Beauveria sp.	8024	Beauveria caledonica	8164	Beauveria sp.
7587	Beauveria sp.	8025	Beauveria bassiana	8166	Beauveria sp.
7588	Beauveria sp.	8026	Beauveria bassiana	8167	Beauveria sp.
7589	Beauveria sp.	8027	Beauveria bassiana	8168	Beauveria sp.
7590	Beauveria bassiana	8028	Beauveria bassiana	8169	Beauveria sp.
7591	Beauveria sp.	8029	Beauveria bassiana	8170	Beauveria sp.
7592	Beauveria bassiana	8030	Beauveria bassiana	8171	Beauveria sp.
7593	Beauveria bassiana	8031	Beauveria bassiana	8172	Beauveria sp.
7594	Beauveria sp.	8032	Beauveria bassiana	8173	Beauveria sp.
7595	Beauveria sp.	8033	Beauveria bassiana	8174	Beauveria sp.
7596	Beauveria bassiana	8034	Beauveria brongniartii	8175	Beauveria sp.
7597	Beauveria sp.	8035	Beauveria bassiana	8176	Beauveria sp.
7598	Beauveria sp.	8036	Beauveria bassiana	8177	Beauveria sp.
7758	Beauveria bassiana	8037	Beauveria bassiana	8178	Beauveria sp.
7760	Beauveria malawiensis	8038	Beauveria bassiana	8180	Beauveria sp.
7761	Beauveria brongniartii	8039	Beauveria bassiana	8181	Beauveria sp.
7762	Beauveria brongniartii	8040	Beauveria bassiana	8182	Beauveria sp.
7763	Beauveria bassiana	8045	Beauveria pseudobassiana	8185	Beauveria sp.
7764	Beauveria bassiana	8046	Beauveria pseudobassiana	8186	Beauveria sp.
7765	Beauveria bassiana	8065	Beauveria bassiana	8187	Beauveria sp.
7766	Beauveria bassiana	8066	Beauveria bassiana	8188	Beauveria sp.
7767	Beauveria bassiana	8076	Beauveria bassiana	8189	Beauveria bassiana
7768	Beauveria bassiana	8077	Beauveria bassiana	8190	Beauveria bassiana
7769	Beauveria bassiana	8078	Beauveria bassiana	8191	Beauveria bassiana
7770	Beauveria bassiana	8079	Beauveria bassiana	8192	Beauveria bassiana
7771	Beauveria bassiana	8110	Beauveria sp.	8193	Beauveria bassiana
7772	Beauveria bassiana	8111	Beauveria sp.	8194	Beauveria bassiana
7773	Beauveria bassiana	8112	Beauveria sp.	8195	Beauveria bassiana
7774	Beauveria bassiana	8113	Beauveria sp.	8201	Beauveria bassiana
7775	Beauveria bassiana	8116	Beauveria sp.	8202	Beauveria bassiana
7776	Beauveria bassiana	8117	Beauveria sp.	8203	Beauveria bassiana
7795	Beauveria bassiana	8119	Beauveria sp.	8204	Beauveria bassiana
7796	Beauveria bassiana	8120	Beauveria sp.	8205	Beauveria bassiana
7813	Beauveria bassiana	8121	Beauveria sp.	8206	Beauveria bassiana
7853	Beauveria bassiana	8122	Beauveria sp.	8207	Beauveria bassiana
7877	Beauveria bassiana	8123	Beauveria sp.	8208	Beauveria bassiana
7878	Beauveria bassiana	8124	Beauveria sp.	8209	Beauveria bassiana
7889	Beauveria bassiana	8125	Beauveria sp.	8210	Beauveria bassiana
7890	Beauveria bassiana	8126	Beauveria sp.	8211	Beauveria bassiana
7891	Beauveria bassiana	8127	Beauveria sp.	8213	Beauveria bassiana
7924	Sporothrix insectorum	8128	Beauveria sp.	8237	Beauveria bassiana
7940	Beauveria bassiana	8129	Beauveria sp.	8238	Beauveria bassiana
7941	Beauveria bassiana	8130	Beauveria sp.	8239	Beauveria bassiana
7947	Beauveria bassiana	8132	Beauveria sp.	8240	Beauveria bassiana
7948	Beauveria bassiana	8133	Beauveria sp.	8241	Beauveria bassiana
7949	Beauveria bassiana	8134	Beauveria sp.	8242	Beauveria bassiana
7950	Beauveria bassiana	8135	Beauveria sp.	8243	Beauveria bassiana
7951	Beauveria bassiana	8136	Beauveria sp.	8244	Beauveria bassiana
7952	Beauveria bassiana	8137	Beauveria sp.	8245	Beauveria bassiana
7953	Beauveria bassiana	8138	Beauveria sp.	8246	Beauveria bassiana
7954	Beauveria bassiana	8139	Beauveria sp.	8247	Beauveria bassiana
7955	Beauveria bassiana	8140	Beauveria sp.	8250	Beauveria sp.
7956	Beauveria bassiana	8141	Beauveria sp.	8253	Beauveria bassiana
7957	Beauveria bassiana	8143	Beauveria sp.	8254	Beauveria bassiana
7958	Beauveria bassiana	8144	Beauveria sp.	8255	Beauveria bassiana
7959	Beauveria bassiana	8145	Beauveria sp.	8256	Beauveria bassiana



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9212	Beauveria bassiana	9405	Beauveria bassiana	10186	Beauveria bassiana
9213	Beauveria bassiana	9406	Beauveria bassiana	10230	Sporothrix sp.
9214	Beauveria bassiana	9407	Beauveria bassiana	10277	Beauveria brongniartii
9215	Beauveria bassiana	9408	Beauveria bassiana	10278	Beauveria brongniartii
9216	Beauveria bassiana	9409	Beauveria bassiana	10279	Beauveria brongniartii
9219	Beauveria bassiana	9410	Beauveria bassiana	10280	Beauveria brongniartii
9220	Beauveria bassiana	9411	Beauveria bassiana	10347	Beauveria bassiana
9221	Beauveria bassiana	9412	Beauveria bassiana	10348	Beauveria bassiana
9222	Beauveria bassiana	9413	Beauveria bassiana	10349	Beauveria bassiana
9223	Beauveria bassiana	9414	Beauveria bassiana	10350	Beauveria bassiana
9224	Beauveria bassiana	9415	Beauveria bassiana	10351	Beauveria bassiana
9225	Beauveria bassiana	9416	Beauveria bassiana	10352	Beauveria bassiana
9226	Beauveria bassiana	9417	Beauveria bassiana	10353	Beauveria bassiana
9227	Beauveria bassiana	9418	Beauveria bassiana	10354	Beauveria bassiana
9228	Beauveria bassiana	9419	Beauveria bassiana	10355	Beauveria bassiana
9229	Beauveria bassiana	9420	Beauveria bassiana	10356	Beauveria bassiana
9230	Beauveria bassiana	9421	Beauveria bassiana	10357	Beauveria bassiana
9231	Beauveria bassiana	9422	Beauveria bassiana	10358	Beauveria bassiana
9232	Beauveria bassiana	9423	Beauveria bassiana	10359	Beauveria bassiana
9233	Beauveria bassiana	9424	Beauveria bassiana	10360	Beauveria bassiana
9234	Beauveria bassiana	9425	Beauveria bassiana	10361	Beauveria bassiana
9271	Beauveria bassiana(?)	9426	Beauveria bassiana	10362	Beauveria bassiana
9272	Beauveria sp.	9427	Beauveria bassiana		
9289	Beauveria bassiana	9428	Beauveria bassiana		
9290	Beauveria bassiana	9429	Beauveria bassiana		
9291	Beauveria bassiana	9430	Beauveria bassiana		
9297	Beauveria bassiana	9431	Beauveria bassiana		
9298	Beauveria bassiana	9432	Beauveria bassiana		
9299	Beauveria bassiana	9433	Beauveria bassiana		
9300	Beauveria bassiana	9434	Beauveria bassiana		
9301	Beauveria bassiana	9435	Beauveria bassiana		
9302	Beauveria bassiana	9436	Beauveria bassiana		
9335	Beauveria sp.	9437	Beauveria bassiana		
9336	Beauveria sp.	9438	Beauveria bassiana		
9337	Beauveria sp.	9441	Beauveria bassiana		
9338	Beauveria sp.	9442	Beauveria bassiana		
9339	Beauveria sp.	9443	Beauveria bassiana		
9340	Beauveria sp.	9444	Beauveria bassiana		
9341	Beauveria sp.	9445	Beauveria bassiana		
9342	Beauveria sp.	9446	Beauveria bassiana		
9343	Beauveria sp.	9447	Beauveria bassiana		
9344	Beauveria sp.	9448	Beauveria bassiana		
9345	Beauveria bassiana	9449	Beauveria bassiana		
9346	Beauveria bassiana	9450	Beauveria bassiana		
9347	Beauveria bassiana	9451	Beauveria bassiana		
9348	Beauveria bassiana	9452	Beauveria brongniartii		
9349	Beauveria bassiana	9453	Beauveria brongniartii		
9350	Beauveria bassiana	9500	Sporothrix ghanensis		
9351	Beauveria bassiana	9501	Sporothrix insectorum		
9352	Beauveria bassiana	9502	Sporothrix insectorum		
9353	Beauveria bassiana	9587	Beauveria bassiana		
9355	Beauveria bassiana	9588	Beauveria bassiana		
9370	Beauveria bassiana	9589	Beauveria bassiana		
9388	Beauveria bassiana	9595	Beauveria bassiana		
9389	Beauveria bassiana	9596	Beauveria sp.		
9390	Beauveria bassiana	9598	Beauveria bassiana		
9391	Beauveria bassiana	9599	Beauveria brongniartii		
9392	Beauveria bassiana	9600	Beauveria bassiana		
9393	Beauveria bassiana	9927	Beauveria bassiana		
9394	Beauveria bassiana	10138	Beauveria bassiana		
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9400	Beauveria bassiana	10144	Beauveria bassiana		
9401	Beauveria bassiana	10145	Beauveria bassiana		
9402	Beauveria bassiana	10147	Beauveria bassiana		
9403	Beauveria bassiana	10148	Beauveria bassiana		
9404	Beauveria bassiana	10149	Beauveria bassiana		